

Removal and Installation

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Introduction

This chapter is a step by step guide to the removal and installation of the key components in the printer. You may find it useful to tick off the steps as they are performed. Use the illustration at each procedure to identify the parts referred to in the text.

The procedures appear in order of removal. So the whole machine can be stripped down by starting at the beginning of this chapter and working through the subsequent procedures.

Before using this chapter to remove and install a new component, always make sure that you have performed the relevant service test from Chapter 4. If the test passes you will not need to replace the component.

Safety Precautions

Review WARNING and CAUTION symbols and instructions before you service the printer. Follow these warnings and cautions for your protection and to avoid damaging the printer.

Serious shock hazard leading to death or injury may result if you do not take the following precautions:

Ensure that the ac power outlet (mains) has a protective earth (ground) terminal.

Switch the Printer Off, and disconnect it from the power source prior to performing any maintenance.

Prevent water or other liquids from running onto electrical components or circuits, or through openings in the module.

Electrostatic Discharge (ESD) Precautions

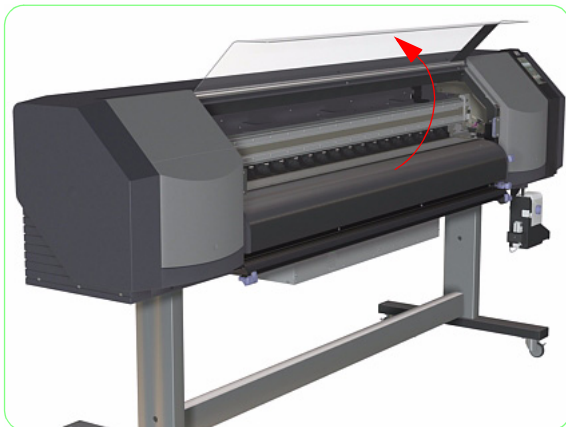
To prevent damage to the Printer circuits from high-voltage electrostatic discharge (ESD):

1. Do not wear clothing that is subject to static build-up.
2. Do not handle integrated circuits (ICs) in carpeted areas.
3. Do not remove an IC or a printed circuit assembly (PCA) from its conductive foam pad or conductive packaging until you are ready to install it.
4. Ground (earth) your body while disassembling and working on the Printer.
5. After removing a cover from the Printer, attach an earthing (ground) lead between the PCA common and earth ground. Touch all tools to earth ground to remove static charges before using them on the Printer.
6. After removing any PCA from the Printer, place it on a conductive foam pad or into its conductive packaging to prevent ESD damage to any ICs on the PCA.

Window

Removal

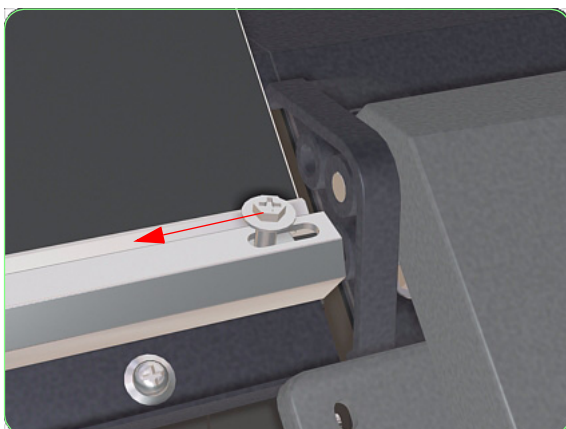
Switch off the product and remove the power cable.



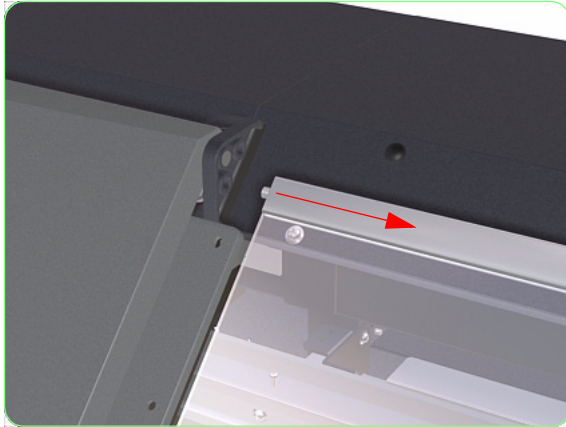
1. Open the Window.



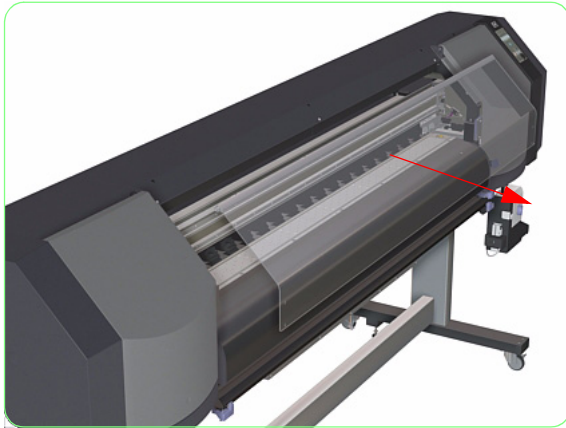
2. Loosen the screw that secures the Right Hinge Pin.



3. Retract the Right Hinge Pin by moving it to the left (using the screw).



4. Release the Window from the left hand side.



5. Remove the Window from the Printer.

Left and Right Door

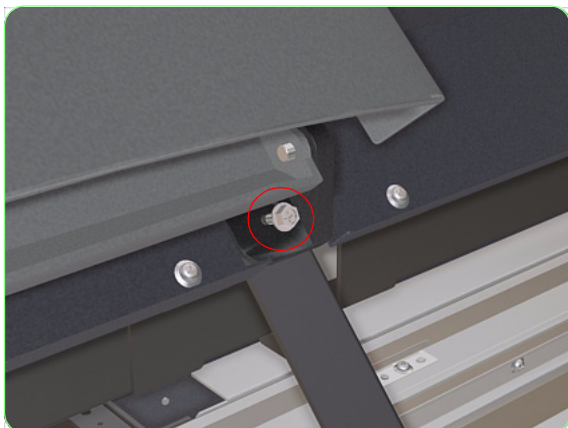
Removal

Switch off the product and remove the power cable.

1. Remove the Window ⇒ Page 8-3.
2. Open the Left or Right Door.



3. Remove one screw that secures the Hinge from the bottom.

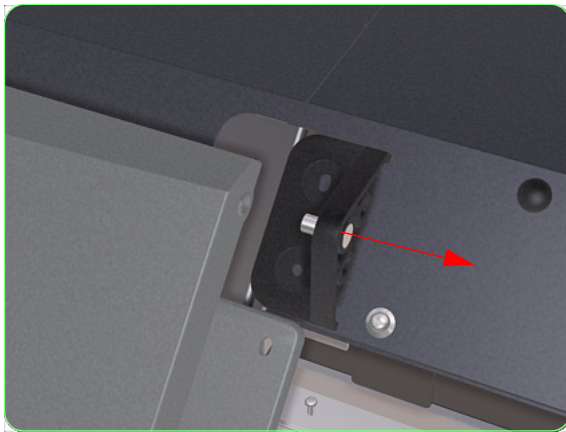


4. Close the Left or Right Door.

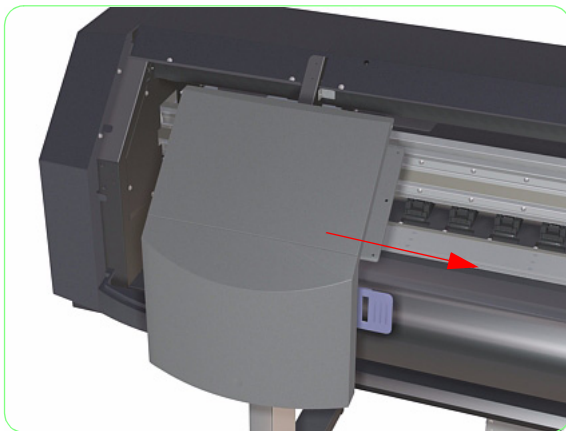




- 5.** Remove one screw that secures the Hinge from the top.



- 6.** Remove the Hinge from the printer.



- 7.** Remove the Left or Right Door from the printer.

Left and Right Trim

Removal

Switch off the product and remove the power cable.

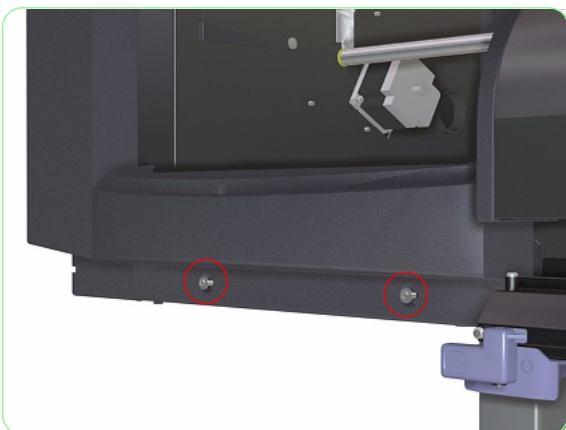
1. Open the Window.

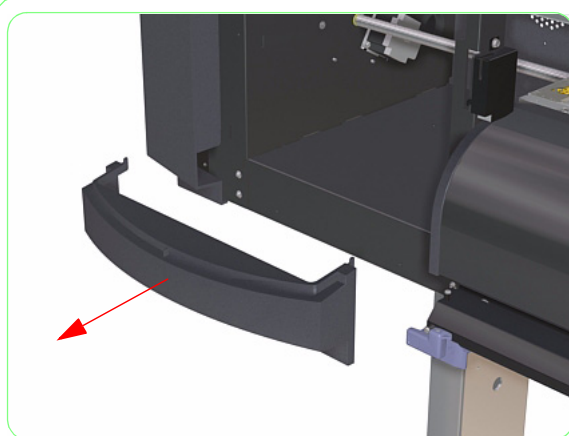


2. Open the Left or Right Door.



3. Remove two screws that secure the Left or Right Trim to the printer.





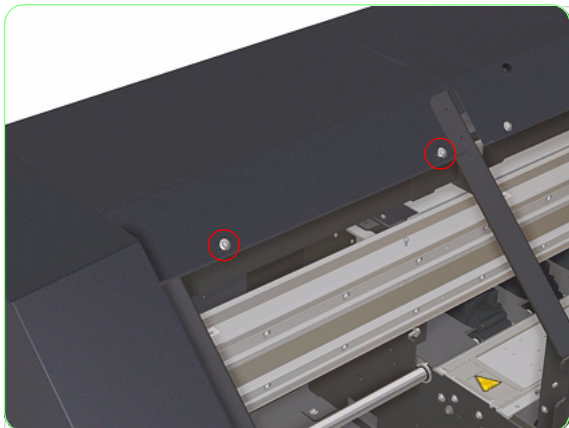
4. Remove the Left or Right Trim from the Printer.

Left Top Cover

Removal

Switch off the product and remove the power cable.

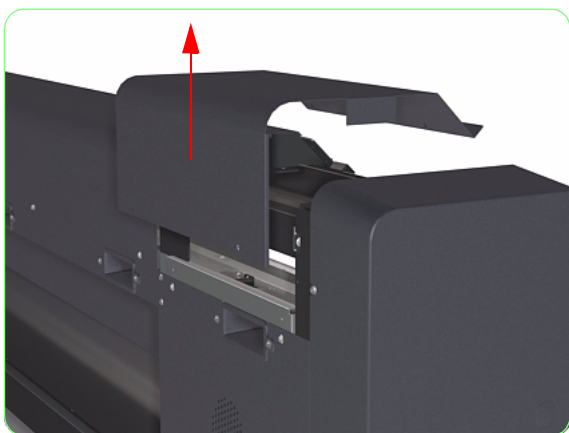
1. Remove the Window ⇒ Page 8-3.
2. Remove the Left Door ⇒ Page 8-5.
3. Remove two screws that secure the Left Top Cover to the front of the Printer.



4. Remove two screws that secure the Left Top Cover to the rear of the Printer.



5. Remove the Left Top Cover from the Printer.



Right Top Cover

Removal

Switch off the product and remove the power cable.

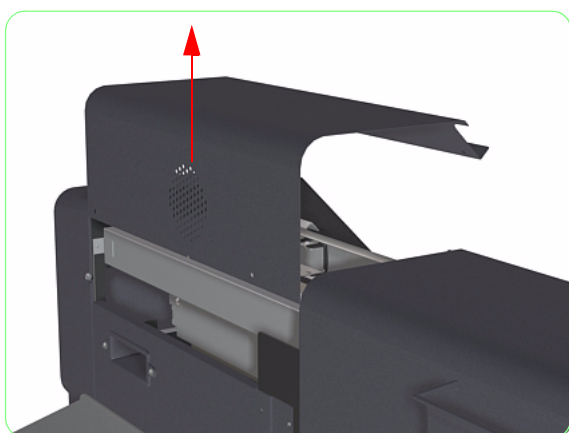
1. Remove the Window ⇒ Page 8-3.
2. Remove the Right Door ⇒ Page 8-5.
3. Remove three screws that secure the Right Top Cover to the front of the Printer.



4. Remove two screws that secure the Right Top Cover to the rear of the Printer.



5. Remove the Right Top Cover from the Printer.

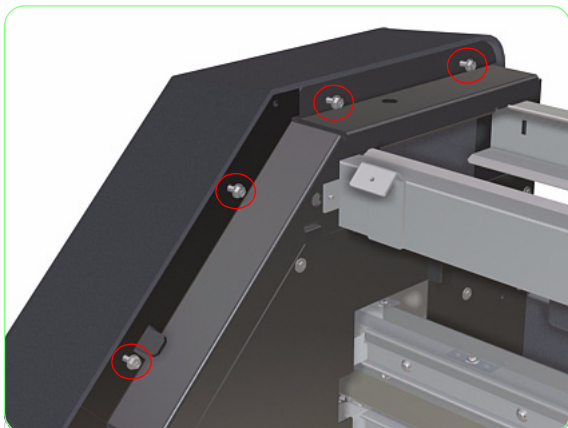


Left Side Cover

Removal

Switch off the product and remove the power cable.

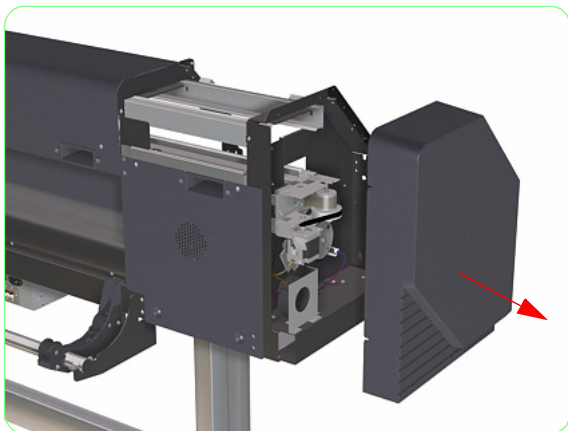
1. Remove the Window ⇒ Page 8-3.
2. Remove the Left Door ⇒ Page 8-5.
3. Remove the Left Top Cover ⇒ Page 8-9.
4. Remove four screws that secure the Left Side Cover to the Printer.



5. Remove five screws that secure the Left Side Cover to the Printer.



6. Remove the Left Side Cover from the Printer.



Right Side Cover

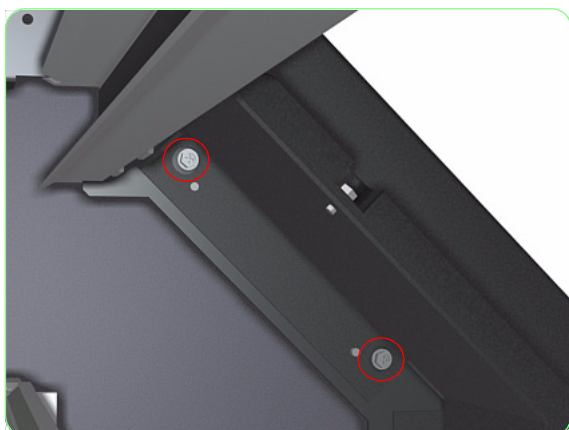
Removal

Switch off the product and remove the power cable.

1. Remove the Window ⇒ Page 8-3.
2. Remove the Right Door ⇒ Page 8-5.
3. Remove the Right Top Cover ⇒ Page 8-10.
4. Remove three screws that secure the Right Side Cover to the Printer.

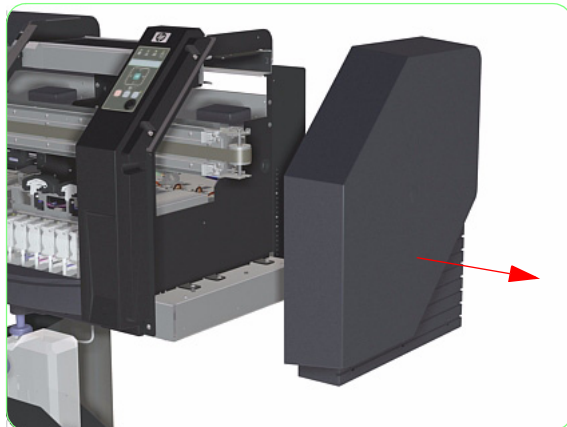


5. Remove two screws (located underneath the Front Panel) that secure the Right Side Cover to the Printer.



6. Remove three screws that secure the Right Side Cover to the Printer.



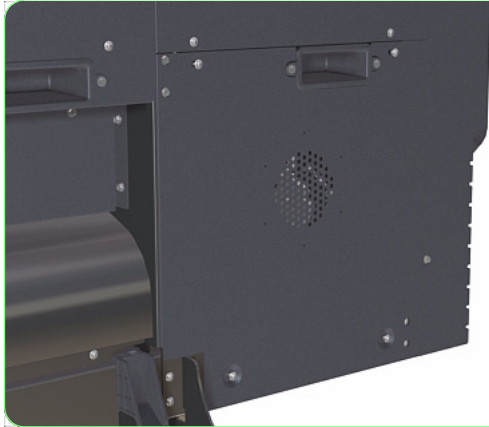


- 7.** Remove the Right Side Cover from the Printer.

Left Back Cover

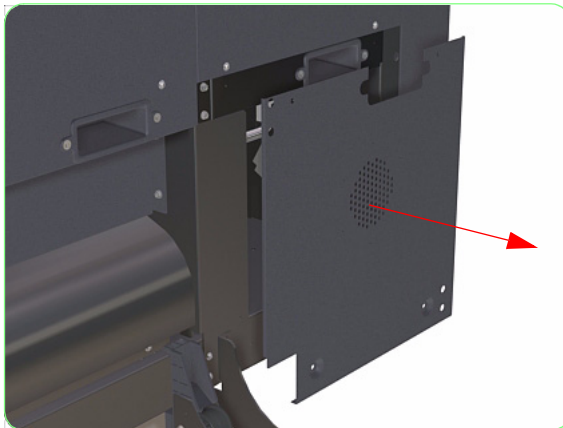
Removal

Switch off the product and remove the power cable.



1. Remove four screws that secure the Left Back Cover to the Printer.

If the Exhaust Attachments are installed, make sure you remove them before installing a new Left Back Cover.



2. Remove the Left Back Cover from the Printer.

Top Cover

Removal

Switch off the product and remove the power cable.

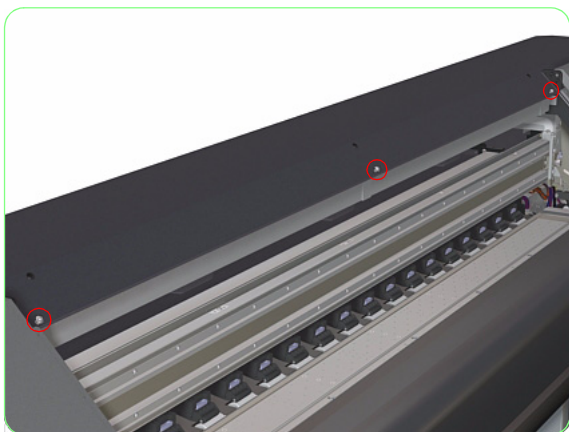
1. Remove the Window ⇒ Page 8-3.
2. Remove the Documentation Holder from the Printer.

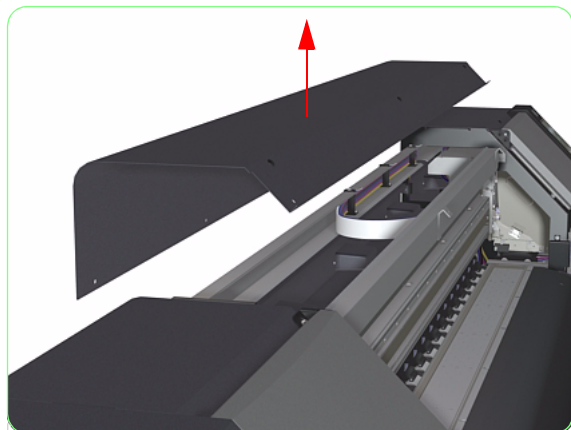


3. Remove five screws that secure the Top Cover to the rear of the Printer.



4. Remove three screws that secure the Top Cover to the front of the Printer.





- 5.** Remove the Top Cover from the Printer.

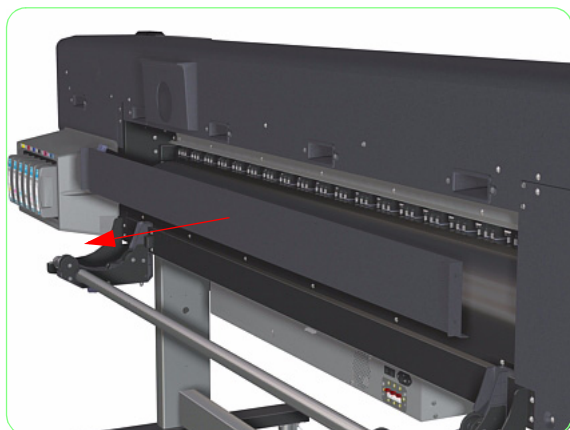
Back Cover

Removal

Switch off the product and remove the power cable.



1. Remove nine screws that secure the Back Cover to the Printer.



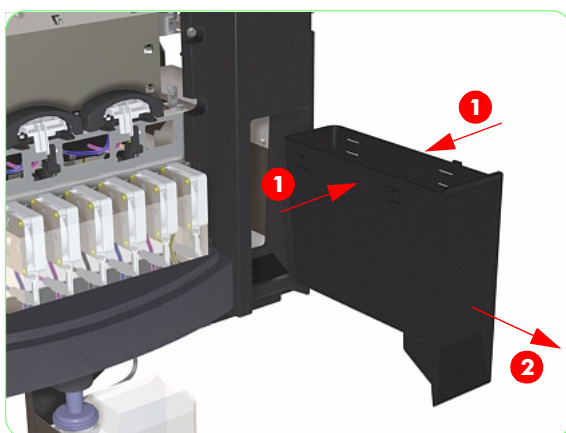
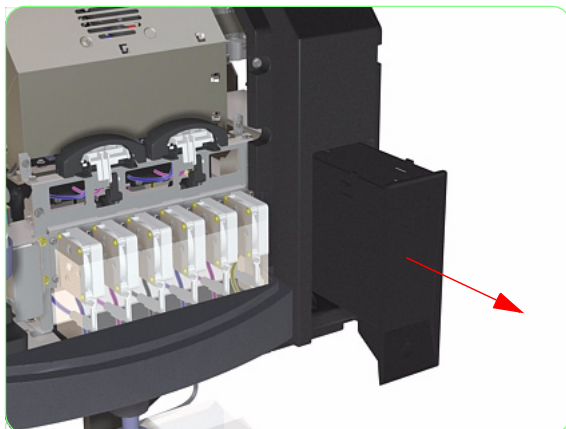
2. Remove the Back Cover from the Printer.

Maintenance Kit Drawer and Cover

Removal

Switch off the product and remove the power cable.

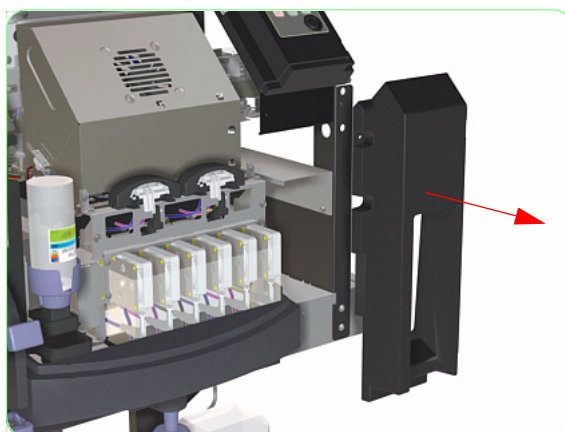
1. Remove the Window ⇒ Page 8-3.
2. Remove the Right Door ⇒ Page 8-5.
3. Remove the Right Top Cover ⇒ Page 8-10.
4. Remove the Right Side Cover ⇒ Page 8-12.
5. Open the Maintenance Kit Drawer.



6. Squeeze both sides of the Maintenance Kit Drawer to release the clips and remove from the Printer.



- 7.** Remove three screws that secure the Maintenance Kit Drawer Cover to the Printer.



- 8.** Remove the Maintenance Kit Drawer Cover from the Printer.

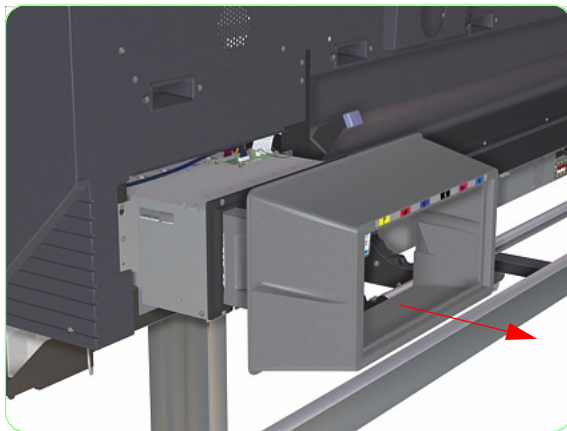
Ink Cartridge Bay Cover

Removal

Switch off the product and remove the power cable.



1. Remove two screws (one from each side) that secure the Ink Cartridge Bay Cover to the Printer.



2. Remove the Ink Cartridge Bay Cover from the Printer.

Front Panel

Removal

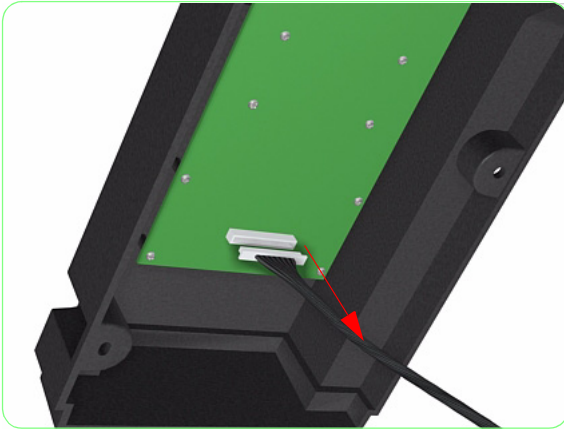
Switch off the product and remove the power cable.

1. Remove the Window ⇒ Page 8-3.
2. Remove the Right Door ⇒ Page 8-5.
3. Remove the Right Top Cover ⇒ Page 8-10.
4. Remove the Right Side Cover ⇒ Page 8-12.
5. Remove three screws that secure the Front Panel to the Printer.



6. Remove the Front Panel from the Printer.





- 7.** Disconnect the Cable from the Front Panel.

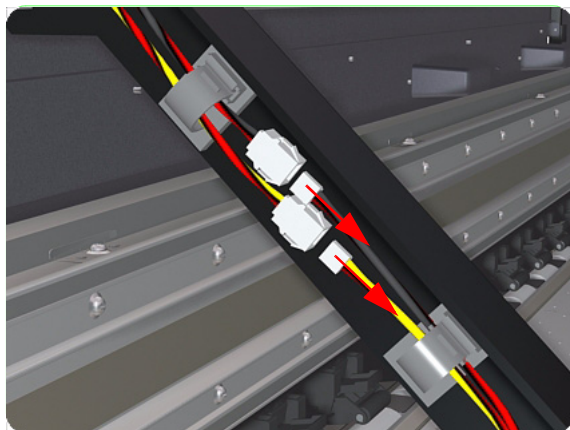
Window Sensors (Left or Right)

Removal

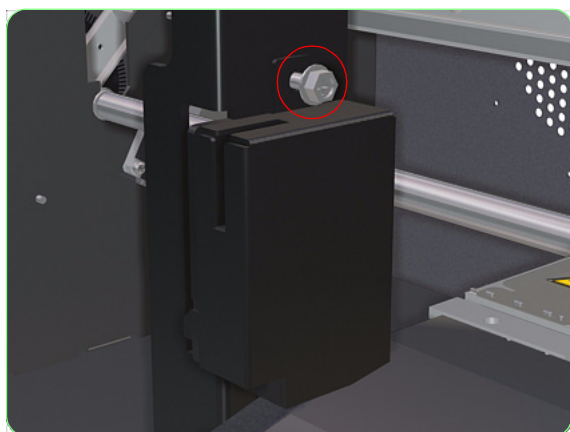
Switch off the product and remove the power cable.



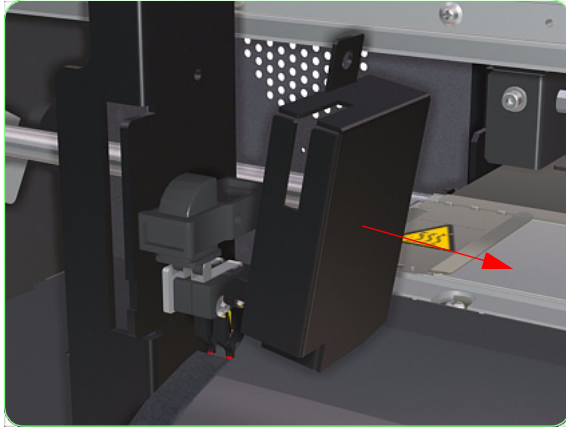
1. Open the Window and the Left or Right Door.



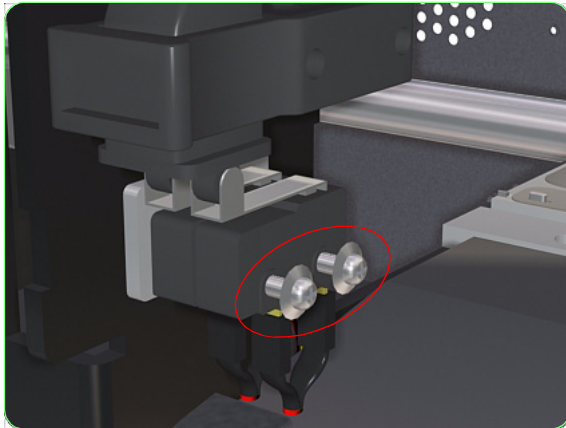
2. Disconnect the Window Sensor Cables.



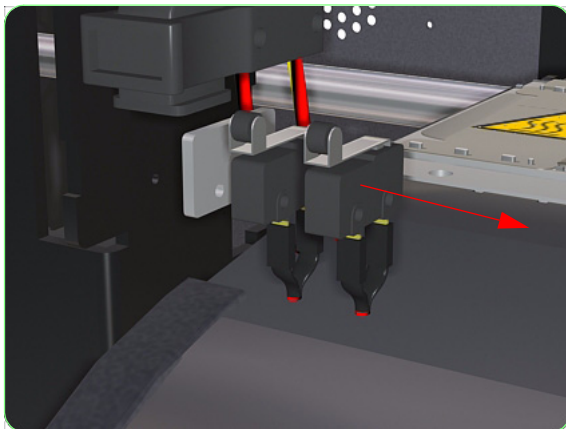
3. Remove one screw that secures the Window Sensor Cover to the Printer.



- 4.** Remove the Window Sensor Cover from the Printer.



- 5.** Remove two screws that secure the Window Sensors to the Printer.



- 6.** Remove the Window Sensors from the Printer.

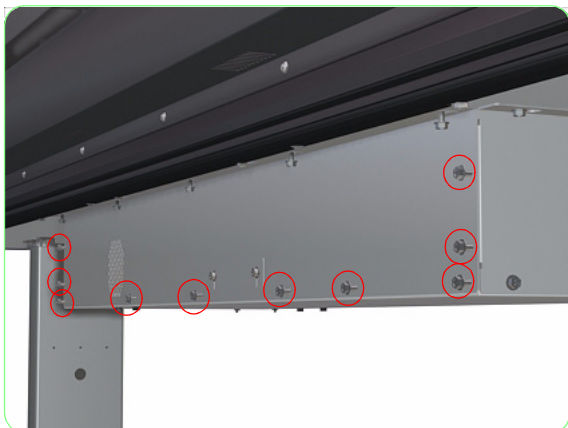
Main PCA

Removal

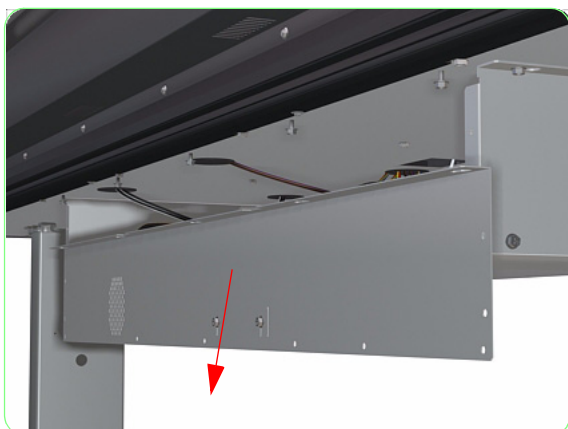
Switch off the product and remove the power cable.



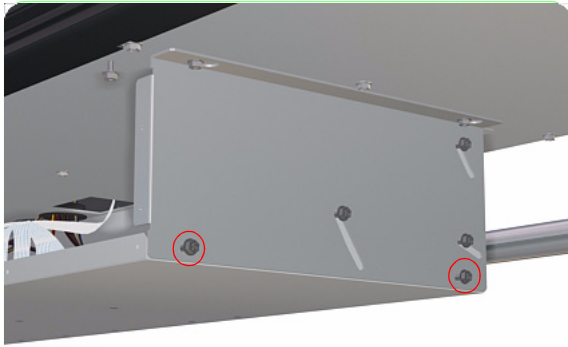
1. Loosen five screws that secure the top of the Front Electronics Module Cover.



2. Remove ten screws that secure the Front Electronics Module Cover.



3. Remove the Front Electronics Module Cover.



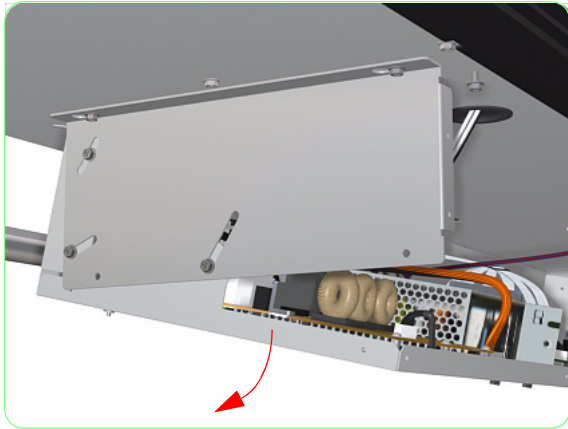
- 4.** Remove two screws from the left and right side of the Electronics Module.



- 5.** Loosen three screws on the left and right side of the Electronics Module



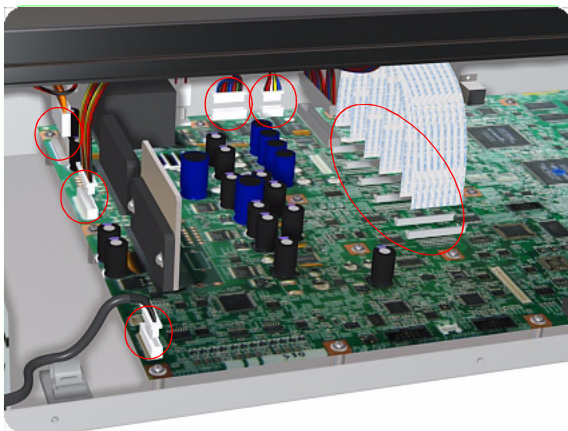
- 6.** Loosen five screws that secure the rear of the Electronics Module.



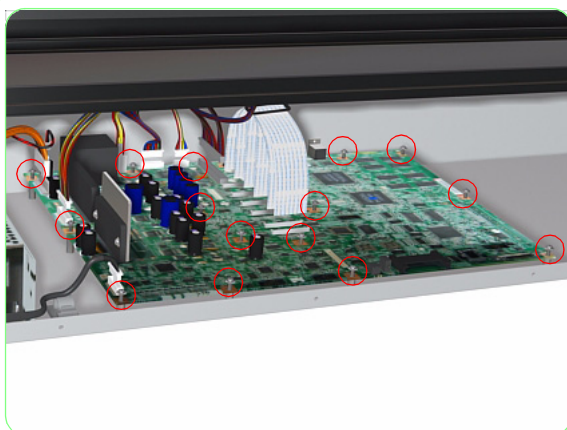
7. Open the Electronics Module.



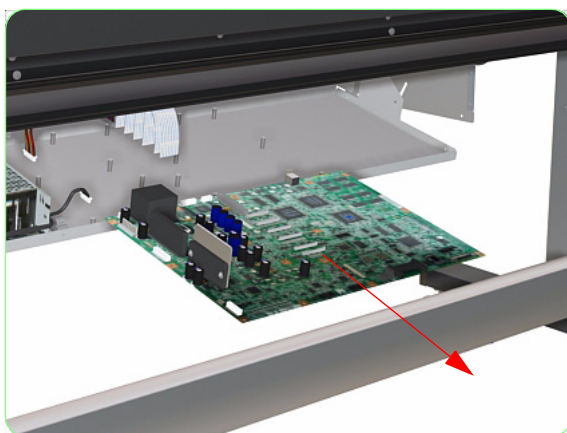
8. Remove one screw from the rear of the Electronics Module.



9. Disconnect ALL cables from the Main PCA.



10. Remove 15 screws that secure the Main PCA to the Electronics Module.



11. Remove the Main PCA from the Electronics Module.

Make sure that you remove the EEPROM from the OLD Main PCA and install it on the NEW Main PCA.

Once the NEW Main PCA is installed, power ON the Printer and do the following:

1. Enter into the Maintenance Mode ⇒ Page 4-6.
2. Press the **Shift** key once and then the ◀ key to enter in to the Setup menu.
3. In the Setup submenu, scroll to "Save Calibs" and press the **OK** key.

SAVE CALIBS
>

4. You will need to confirm that you want to save the EEPROM Calibrations by pressing the **OK** key.

SAVE CALIBS
* OK?

5. In the Setup submenu, scroll to "Save EEPROM" and press the **OK** key.

SAVE EEPROM
>

6. You will need to confirm that you want to save the EEPROM contents by pressing the **OK** key.

If both the EEPROM and the Main PCA are replaced at the same time, please refer to Chapter 1 for further information.

EEPROM

Removal

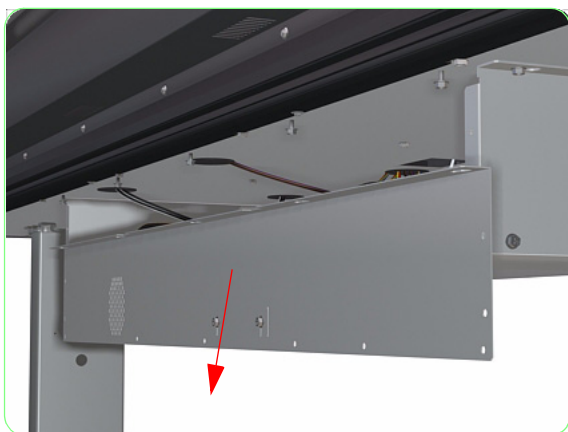
Switch off the product and remove the power cable.



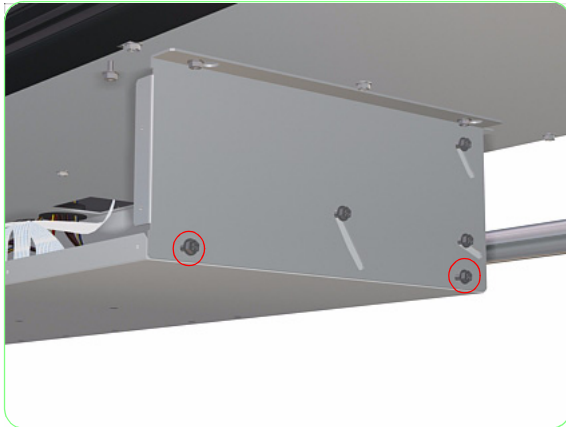
1. Loosen five screws that secure the top of the Front Electronics Module Cover.



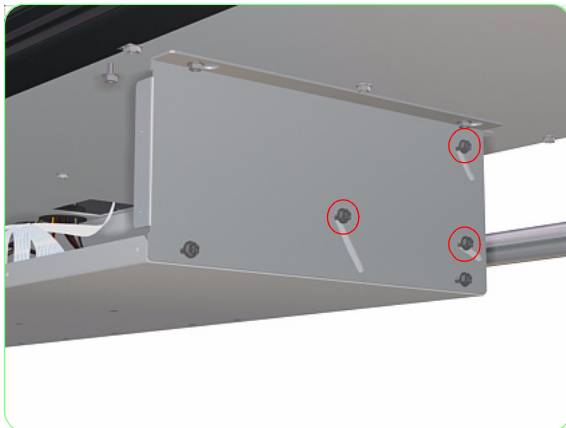
2. Remove ten screws that secure the Front Electronics Module Cover.



3. Remove the Front Electronics Module Cover.



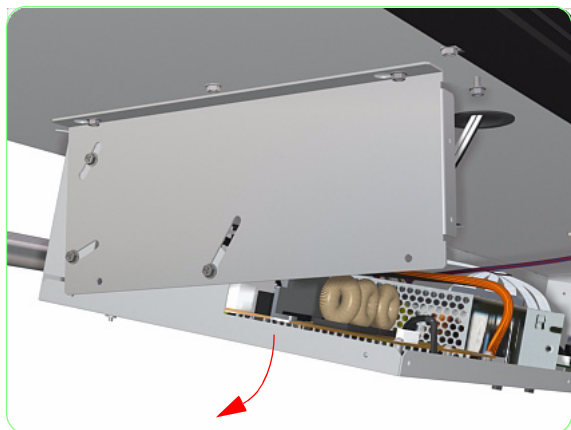
- 4.** Remove two screws from the left and right side of the Electronics Module.



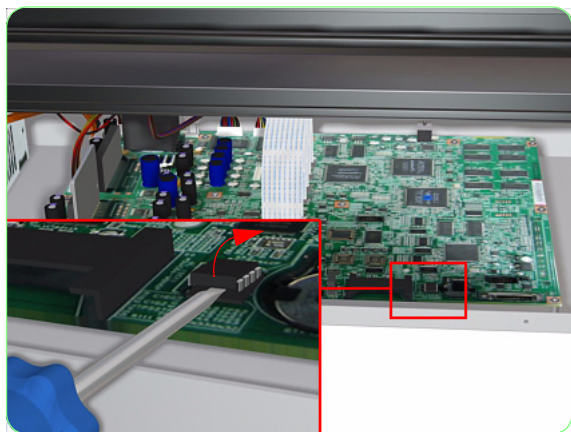
- 5.** Loosen three screws on the left and right side of the Electronics Module



- 6.** Loosen five screws that secure the rear of the Electronics Module.



7. Open the Electronics Module.



8. Using a small flat-head Screwdriver, remove the EEPROM from the Main PCA.

Once the NEW EEPROM is installed, power ON the Printer and do the following:

1. The printer will automatically restore the EEPROM data from the system backup data stored in the Main PCA.
2. If the EEPROM is not initialized, the printer will start up with an EEPROM error (error code 1109). In this case, switch Off the printer and then ON again.
3. If the EEPROM error (error code 1109) remains, it could mean that the backup data is damaged. Switch Off the Printer and then press the **Cancel** key and Power On button - This will allow you to skip the system check of the Printer.
4. Enter into the Maintenance Mode (⇒ Page 4-6) and press the **Shift** key once and then the ◀ key to enter in to the Setup menu.
5. In the Setup submenu, scroll to "Restore Calibs" and press the **OK** key.

```
# RESTORE CALIBS
>
```

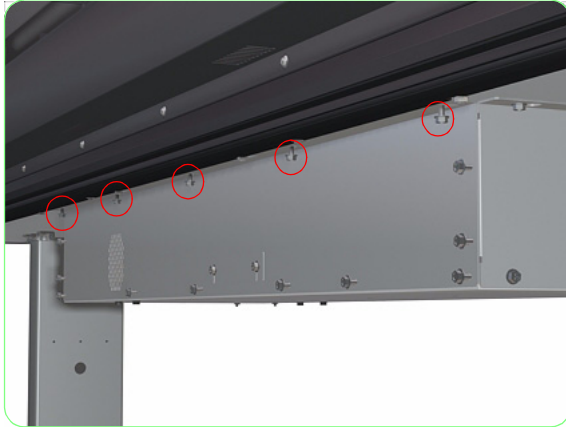
6. You will need to confirm that you want to restore the contents by pressing the **OK** key.
7. Power Off the Printer, wait a few seconds and then power the Printer On again.

If both the EEPROM and the Main PCA are replaced at the same time, please refer to Chapter 1 for further information.

Power Supply Unit

Removal

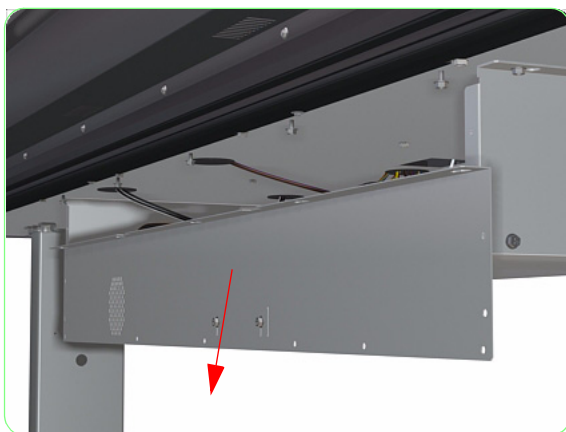
Switch off the product and remove the power cable.



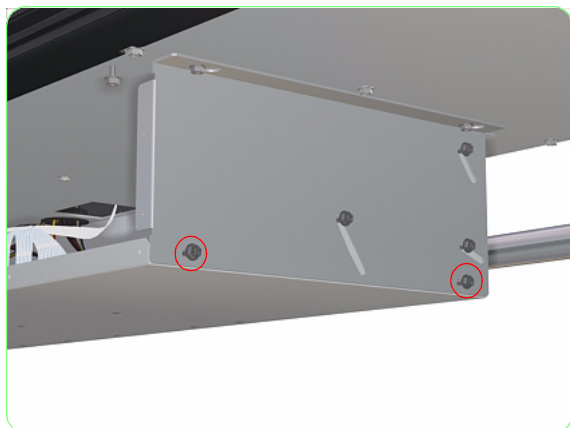
1. Loosen five screws that secure the top of the Front Electronics Module Cover.



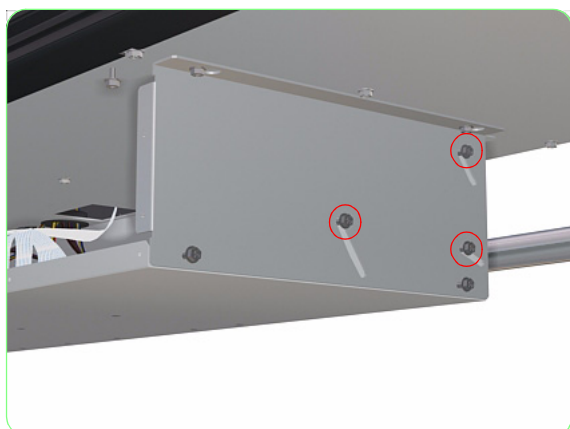
2. Remove ten screws that secure the Front Electronics Module Cover.



3. Remove the Front Electronics Module Cover.



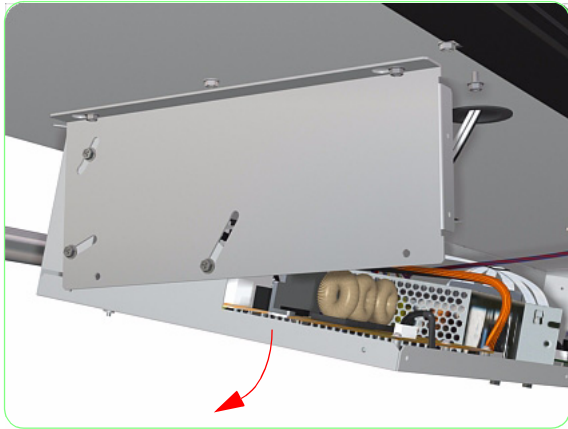
4. Remove two screws from the left and right side of the Electronics Module.



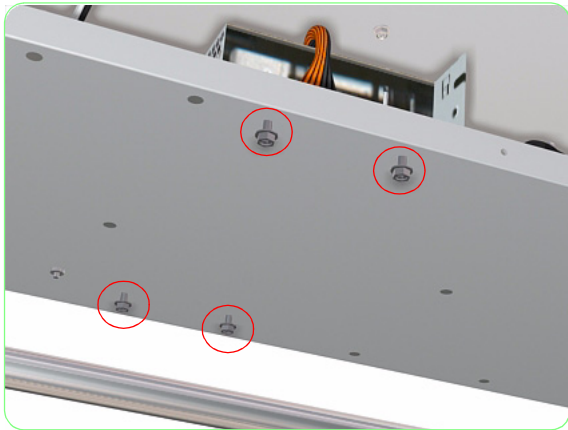
5. Loosen three screws on the left and right side of the Electronics Module



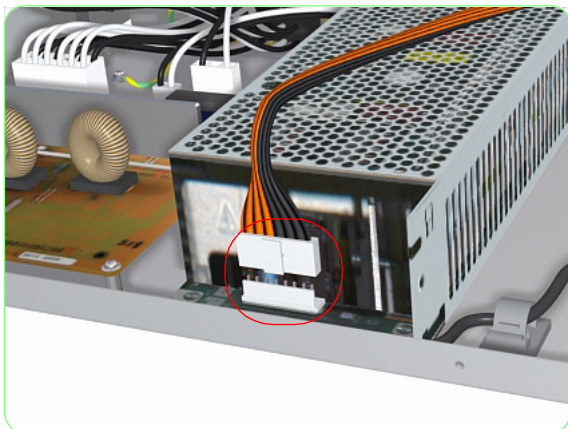
6. Loosen five screws that secure the rear of the Electronics Module.



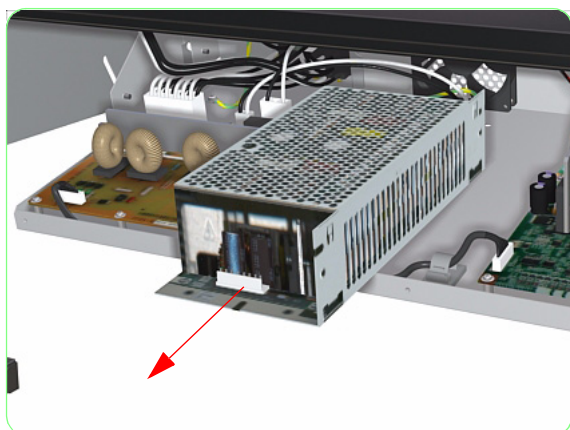
7. Open the Electronics Module.



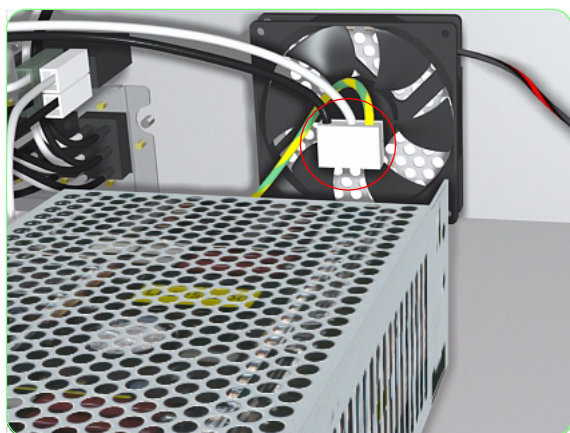
8. Remove four screws that secure the Power Supply Unit to the Electronics Module.



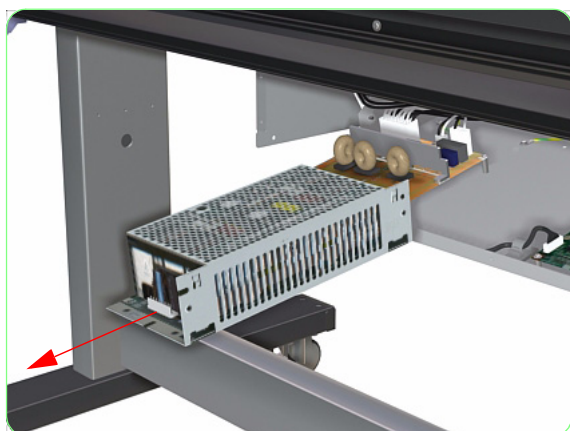
9. Disconnect the cable in front of the Power Supply Unit.



10. Pull the Power Supply Unit towards you slightly.



11. Disconnect the cable at the rear of the Power Supply Cable.



12. Remove the Power Supply Unit from the Electronics Module.

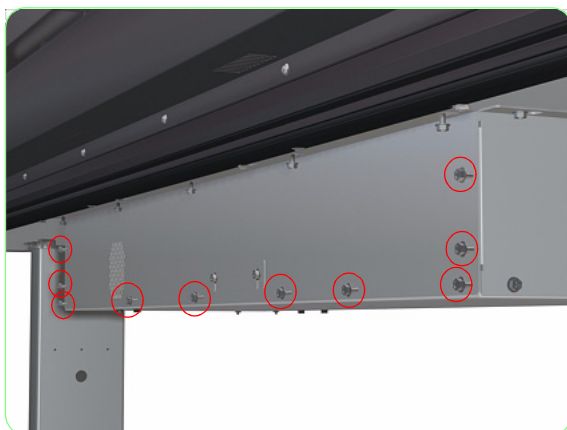
Electronics Cooling Fan

Removal

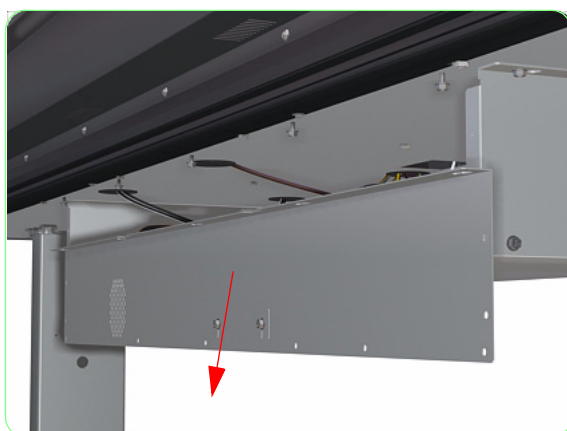
Switch off the product and remove the power cable.



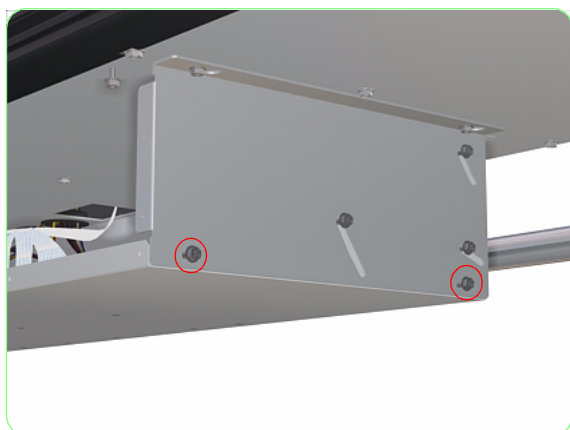
1. Loosen five screws that secure the top of the Front Electronics Module Cover.



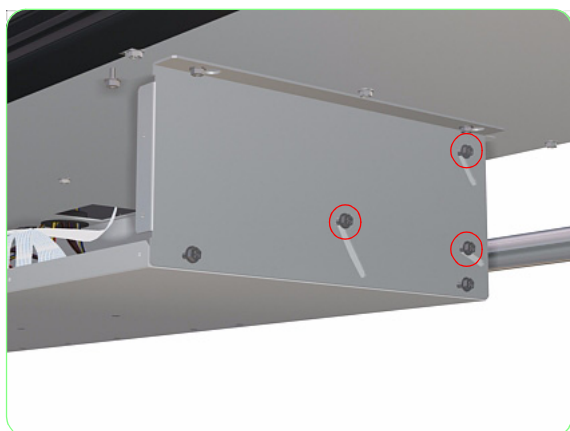
2. Remove ten screws that secure the Front Electronics Module Cover.



3. Remove the Front Electronics Module Cover.



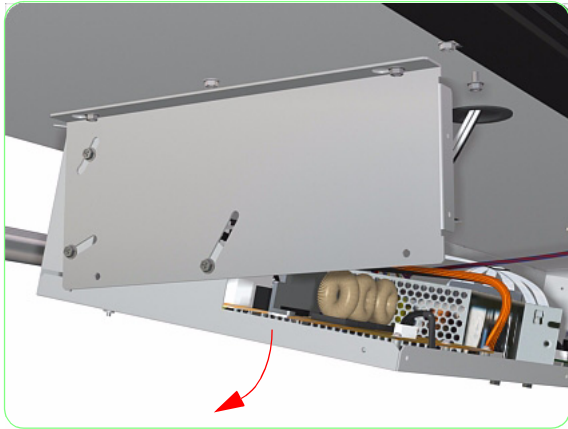
4. Remove two screws from the left and right side of the Electronics Module.



5. Loosen three screws on the left and right side of the Electronics Module



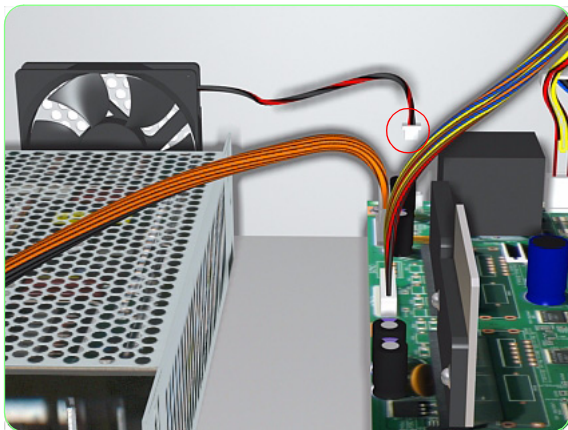
6. Loosen five screws that secure the rear of the Electronics Module.



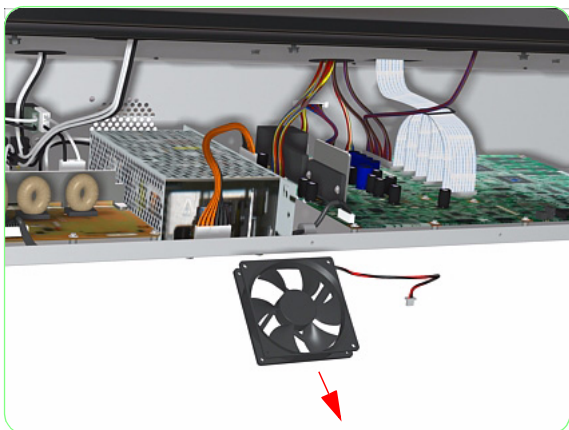
7. Open the Electronics Module.



8. Remove two screws that secure the Electronics Cooling Fan from the rear of the Electronics Module.



9. Disconnect the Electronics Cooling Fan Cable from the Main PCA.



- 10.** Remove the Electronics Cooling Fan from the Electronics Module.

Heater Relay Board

Removal

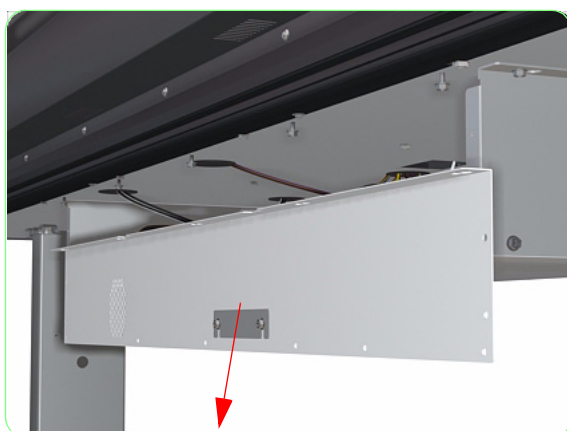
Switch off the product and remove the power cable.



1. Loosen five screws that secure the top of the Front Electronics Module Cover.



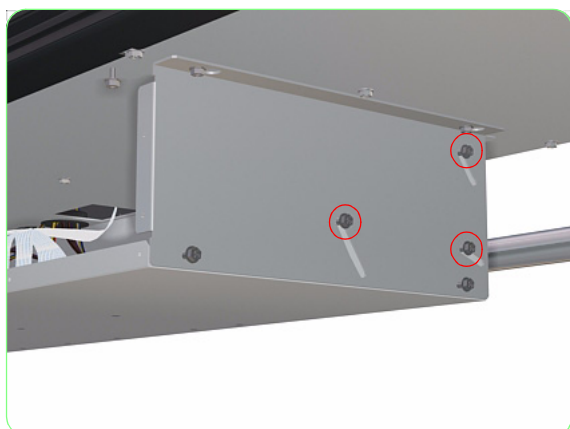
2. Remove ten screws that secure the Front Electronics Module Cover.



3. Remove the Front Electronics Module Cover.



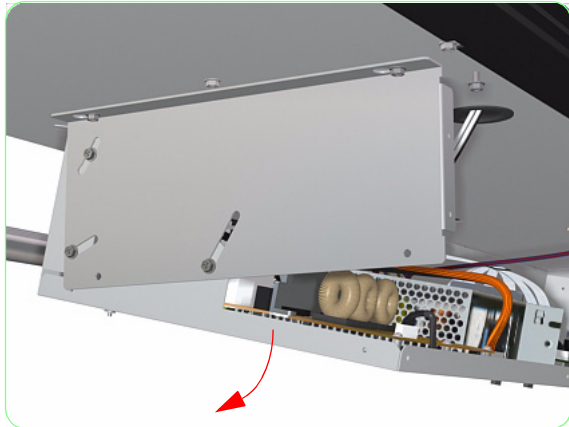
4. Remove two screws from the left and right side of the Electronics Module.



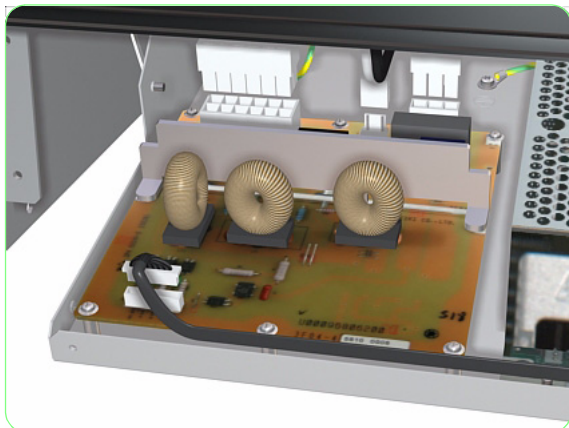
5. Loosen three screws on the left and right side of the Electronics Module



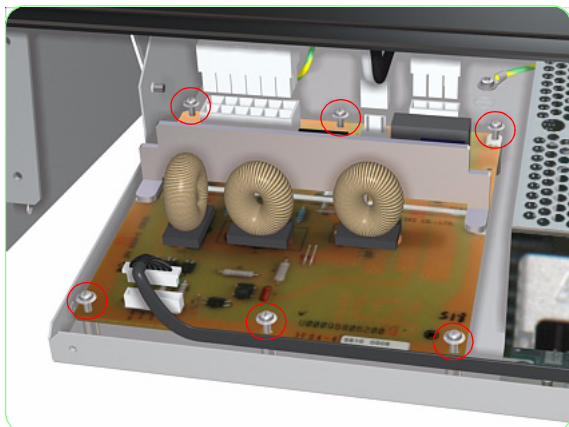
6. Loosen five screws that secure the rear of the Electronics Module.



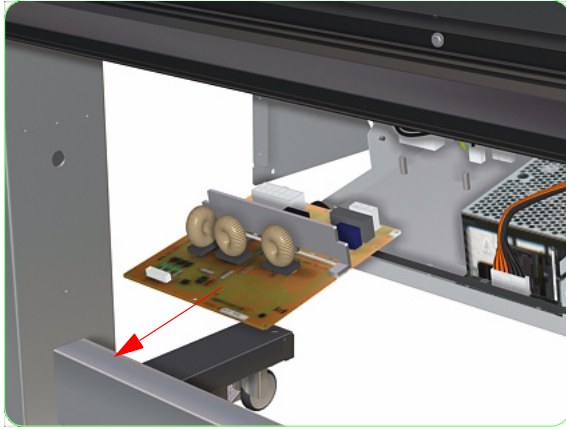
7. Open the Electronics Module.



8. Disconnect ALL cables from the Heater Relay Board.



9. Remove six screws that secure the Heater Relay Board to the Electronics Module.



- 10.** Remove the Heater Relay Board from the Electronics Module.

Front Heater

Removal

Switch off the product and remove the power cable.

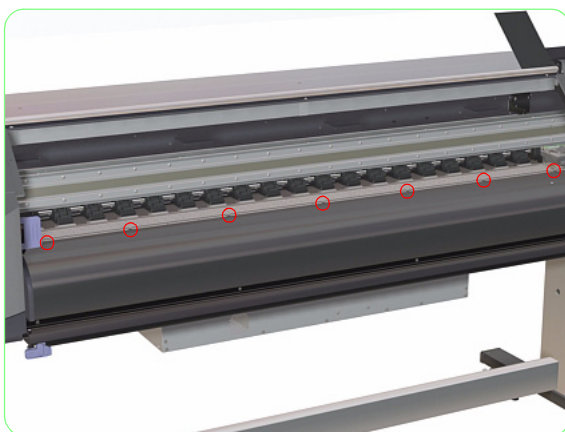
1. Open the Window.

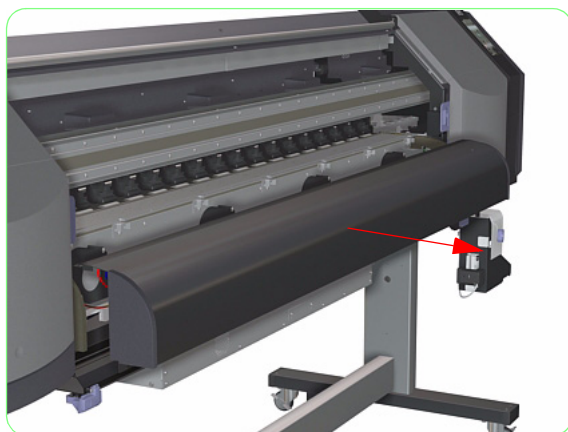


2. Remove seven screws from the bottom that secure the Front Heater to the Printer.

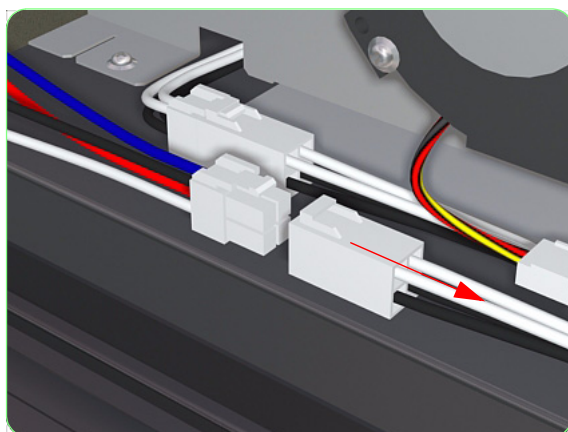


3. Remove seven screws from the top that secure the Front Heater to the Printer.

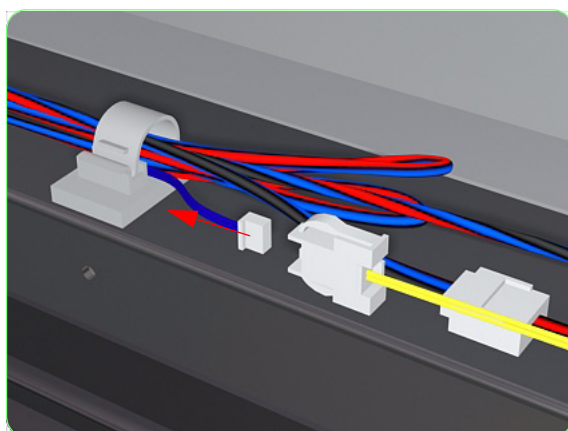




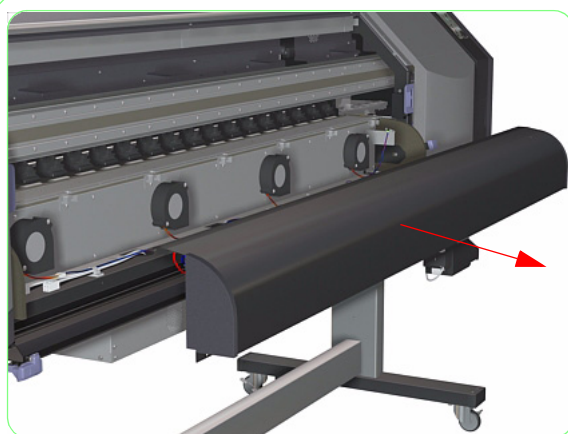
4. Pull out the Front Heater slightly.



5. Disconnect the Front Heater Cable from the left hand side of the Printer.



6. Disconnect the Front Heater Cable from the center of the Printer.



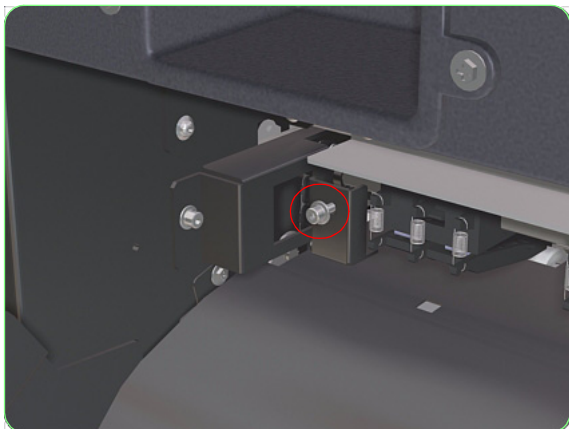
- 7.** Remove the Front Heater from the Printer.

Rear Heater

Removal

Switch off the product and remove the power cable.

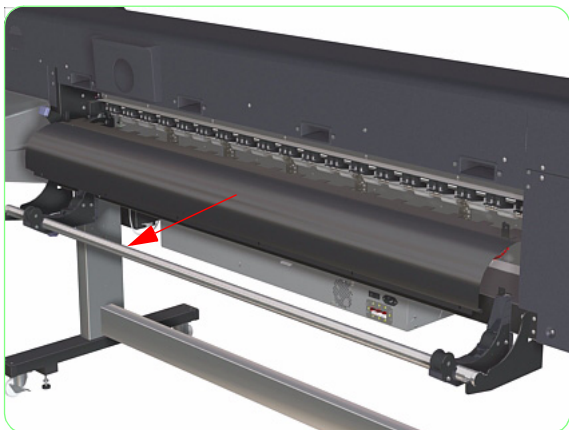
1. Remove the Back Cover ⇒ Page 8-17.
2. Remove two screws (one from each side) from the top that secure the Rear Heater to the Printer.

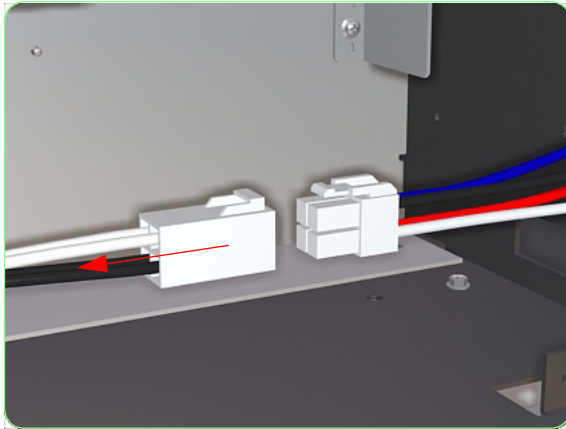


3. Remove six screws from the bottom that secure the Rear Heater to the Printer.

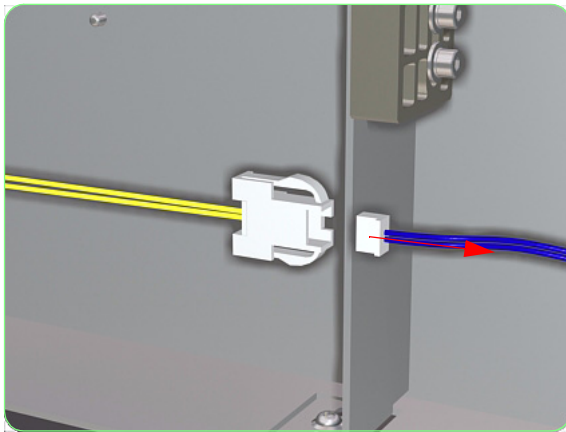


4. Pull out the Rear Heater slightly.

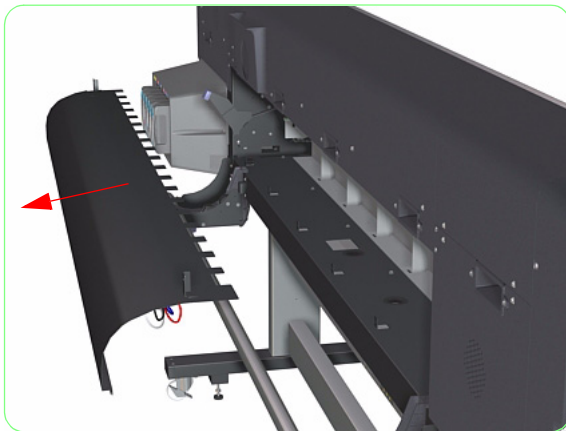




- 5.** Disconnect the Rear Heater Cable from the right hand side of the Printer.



- 6.** Disconnect the Rear Heater Cable from the left hand side of the Printer.



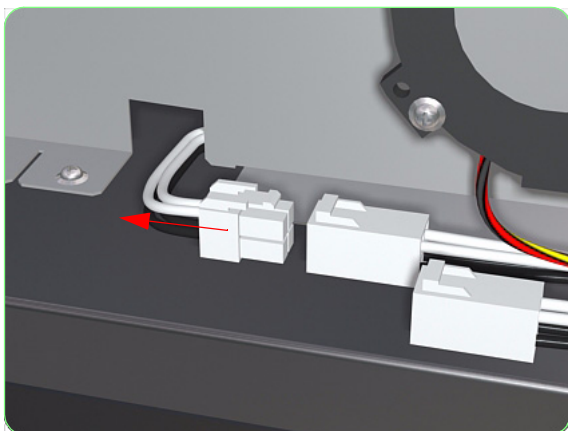
- 7.** Remove the Rear Heater from the Printer.

Center Platen

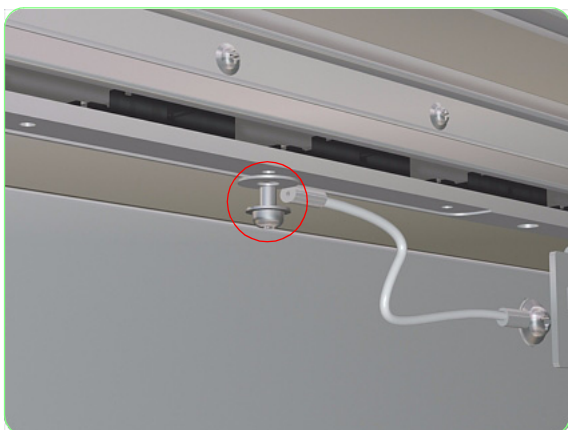
Removal

Switch off the product and remove the power cable.

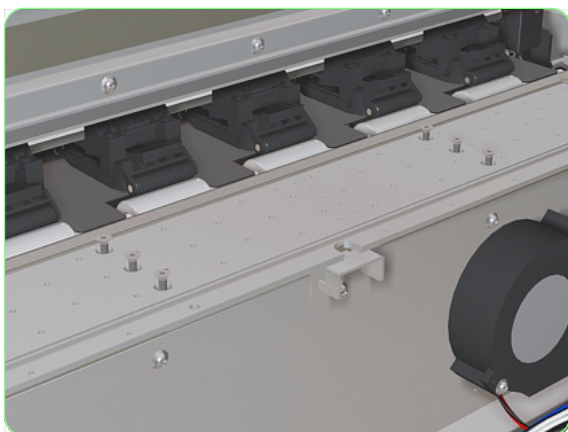
1. Remove the Front Heater ⇒ Page 8-44.
2. Disconnect the Heater Cable.

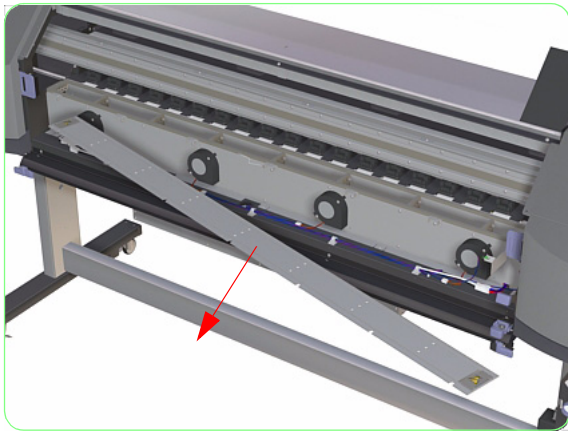


3. Remove screw that secures the Grounding Strip to the Center Platen.



4. Remove 27 screws that secure the Center Platen to the Printer.





5. Remove the Center Platen from the Printer.

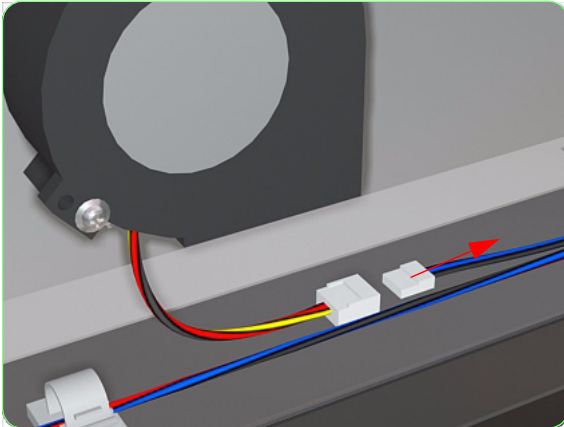
Once the Center Platen has been installed correctly, you must perform the Carriage Height Adjustment (refer to Page 5-5).

Vacuum Fan

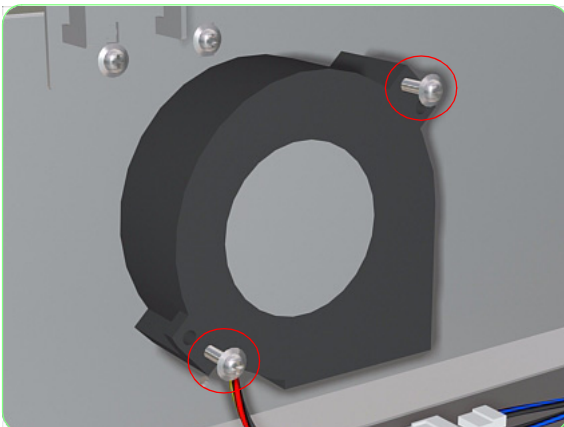
Removal

Switch off the product and remove the power cable.

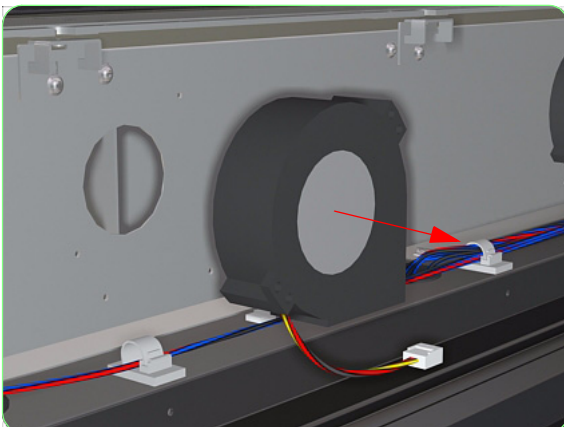
1. Remove the Front Heater ⇒ Page 8-44.
2. Disconnect the Vacuum Fan Cable.



3. Remove two screws that secure the Vacuum Fan to the Printer.



4. Remove the Vacuum Fan from the Printer.

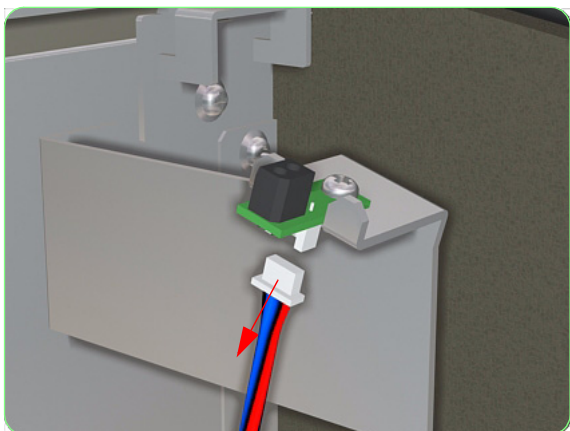


Media Sensor

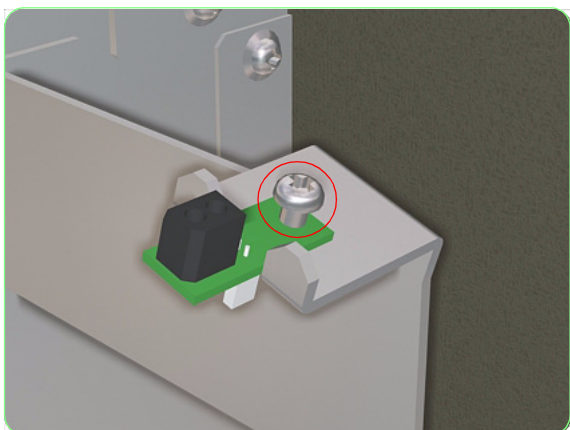
Removal

Switch off the product and remove the power cable.

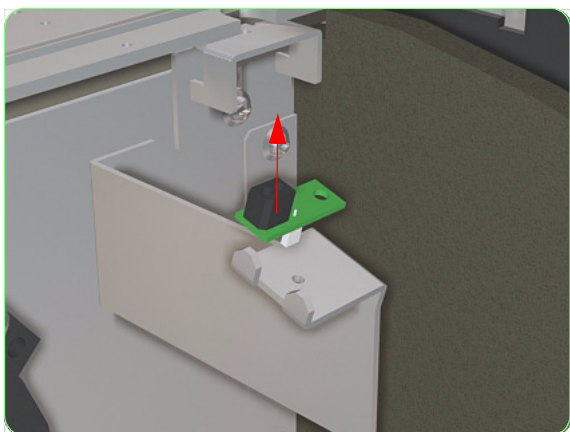
1. Remove the Front Heater ⇒ Page 8-44.
2. Disconnect the Media Sensor Cable.



3. Remove one screw that secures the Media Sensor to the Printer.



4. Remove the Media Sensor from the Printer.

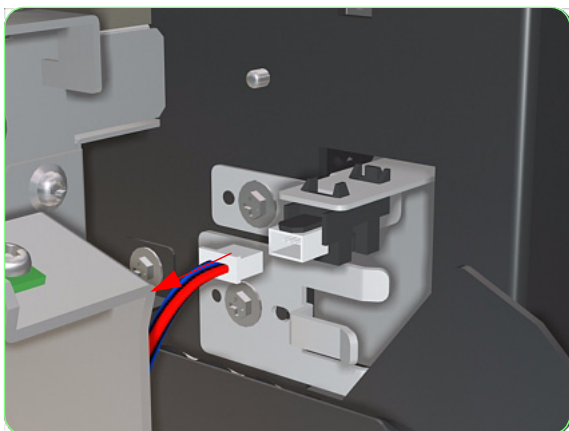


Media Lever Sensor

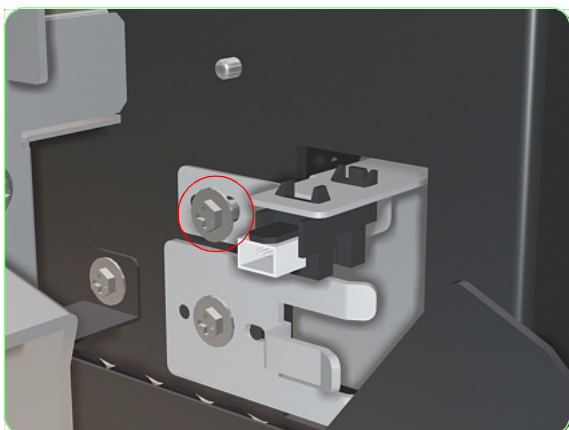
Removal

Switch off the product and remove the power cable.

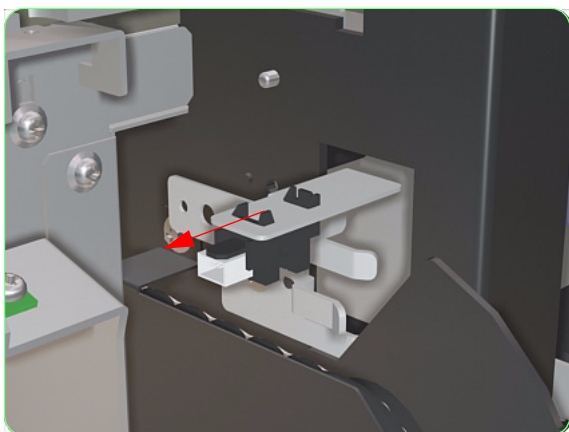
1. Remove the Front Heater ⇒ Page 8-44.
2. Disconnect the Media Lever Sensor Cable.

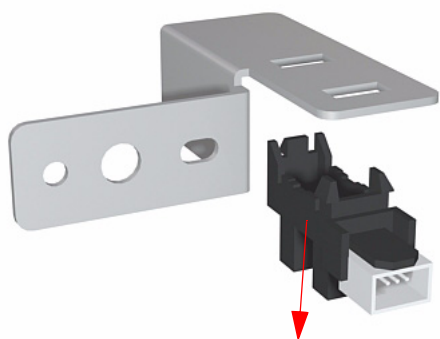


3. Remove one screw that secures the Media Lever Sensor to the Printer.



4. Remove the Media Lever Sensor from the Printer.





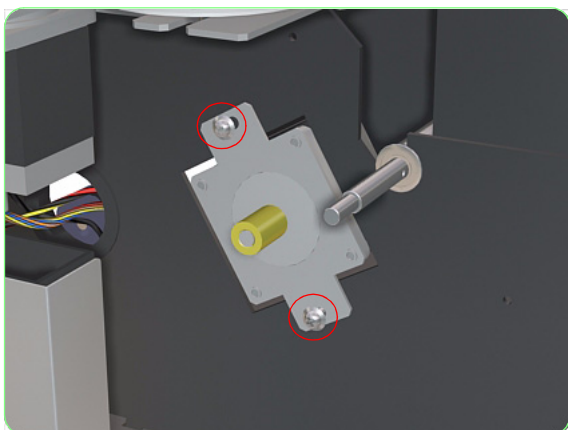
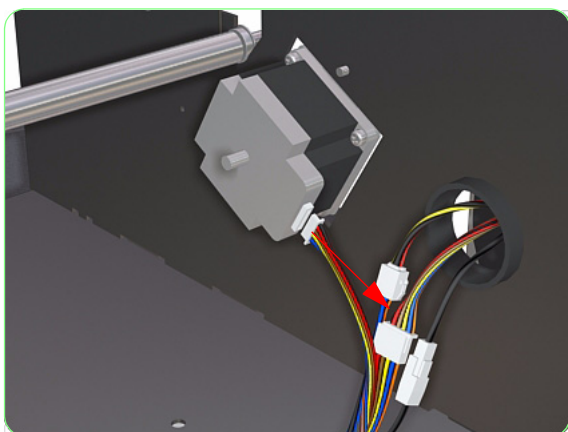
5. Unclip the Media Lever Sensor from the Bracket.

Paper-Axis Motor

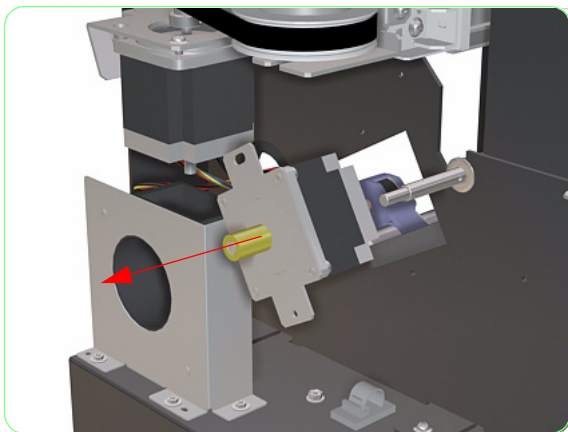
Removal

Switch off the product and remove the power cable.

1. Remove the Window ⇒ Page 8-3.
2. Remove the Left Door ⇒ Page 8-5.
3. Remove the Left Top Cover ⇒ Page 8-9.
4. Remove the Left Side Cover ⇒ Page 8-11.
5. Remove the Encoder Disc and Sensor ⇒ Page 8-57.
6. Remove the Paper-Axis Gear ⇒ Page 8-60.
7. Disconnect the cable from the Paper-Axis Motor.



8. Remove two screws that secure the Paper-Axis Motor to the Printer.



9. Remove the Paper-Axis Motor from the Printer.

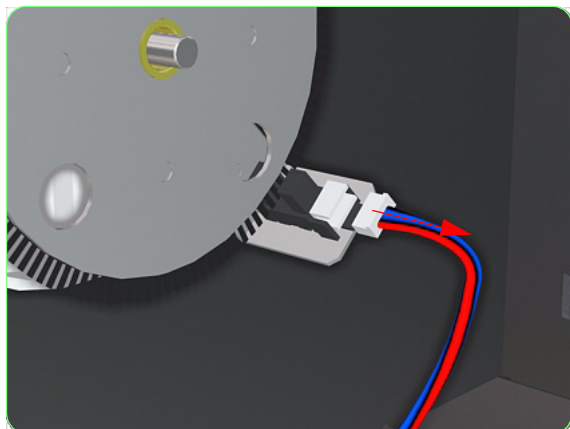
Once the Paper-Axis Motor has been installed correctly, you must perform the Paper-Axis Motor Tension Adjustment (refer to Page 5-10).

Encoder Disc and Sensor

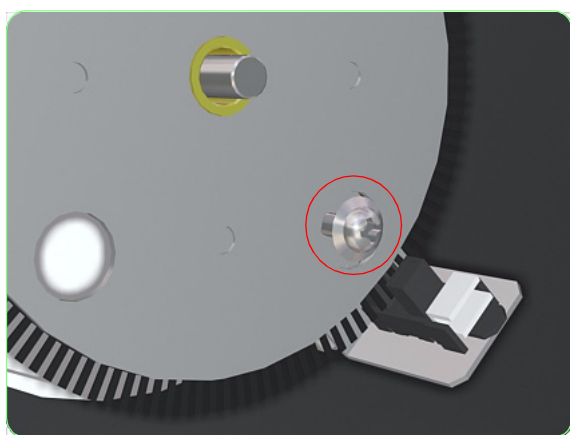
Removal

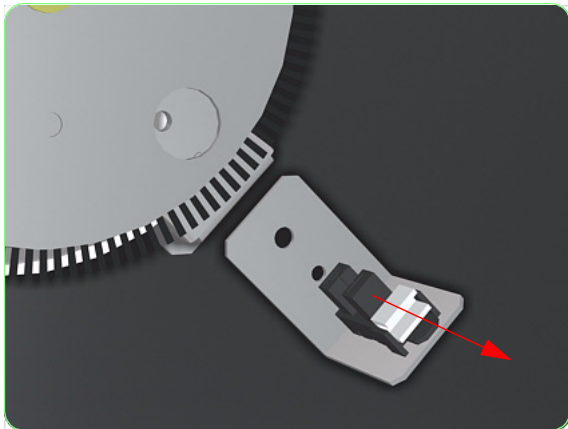
Switch off the product and remove the power cable.

1. Remove the Window ⇒ Page 8-3.
2. Remove the Left Door ⇒ Page 8-5.
3. Remove the Left Top Cover ⇒ Page 8-9.
4. Remove the Left Side Cover ⇒ Page 8-11.
5. Disconnect the Encoder Sensor Cable.



6. Remove one screw that secures the Encoder Sensor to the Printer. You may need to rotate the Encoder Disc in order to access the screw.

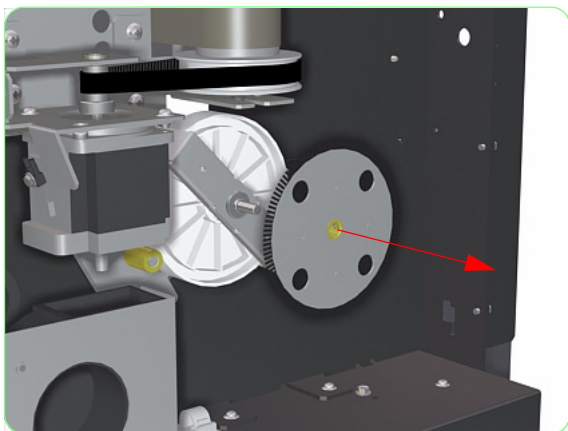




- 7.** Remove the Encoder Sensor from the Printer.



- 8.** Loosen the screw that secures the Encoder Disc to the Shaft.



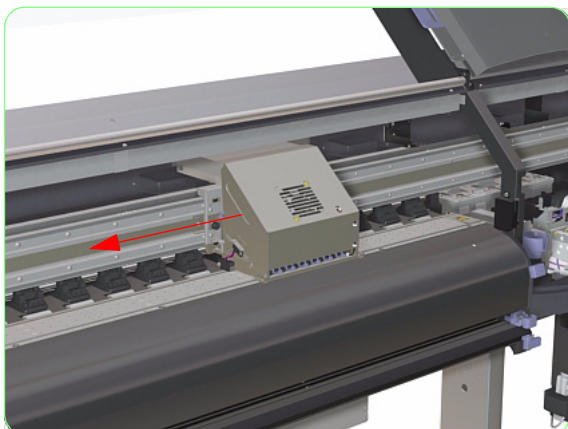
- 9.** Remove the Encoder Disc from the Printer.

Home Position Sensor

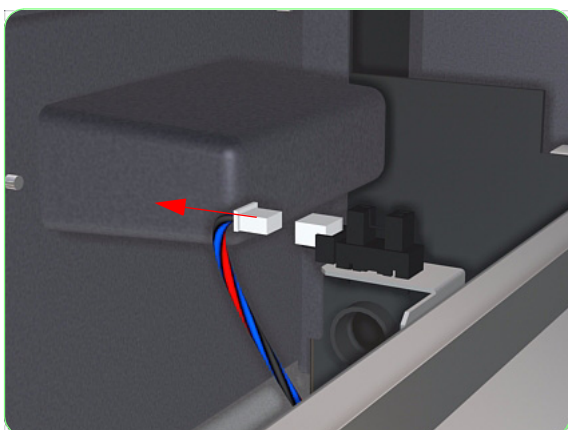
Removal

Switch off the product and remove the power cable.

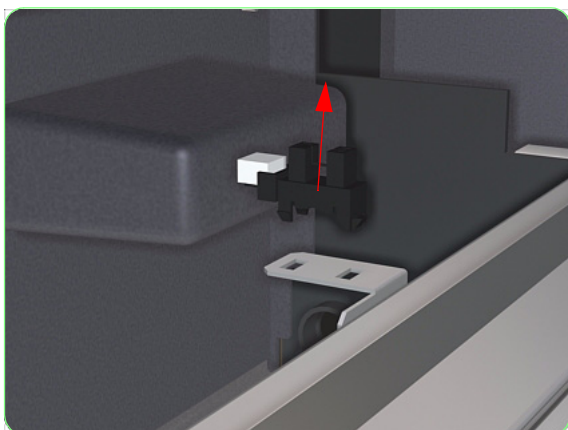
1. Open the Window and the Right Door.
2. Uncap the carriage Assembly and move it out of the Capping Station.



3. Disconnect the cable from the Home Position Sensor.



4. Unclip the Home Position Sensor and remove from the Printer.

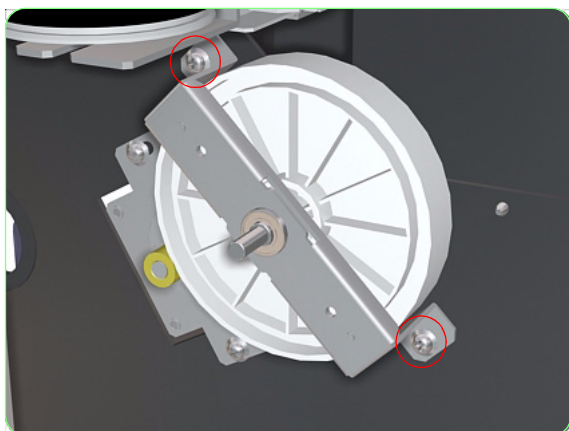
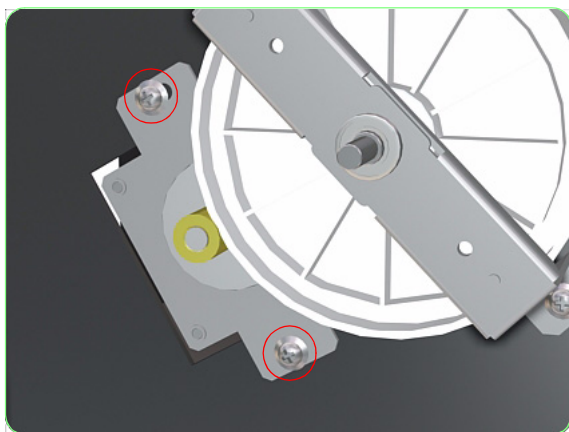


Paper-Axis Gear

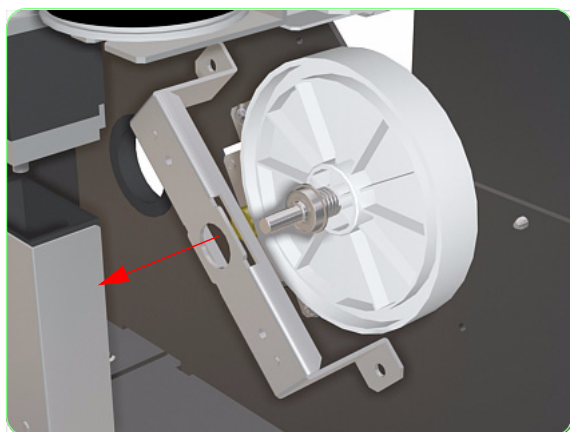
Removal

Switch off the product and remove the power cable.

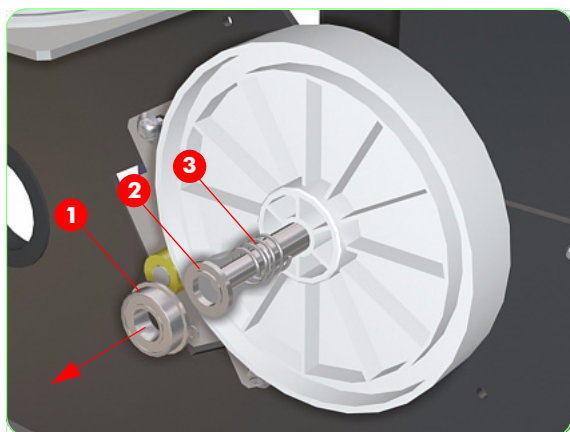
1. Remove the Window ⇒ Page 8-3.
2. Remove the Left Door ⇒ Page 8-5.
3. Remove the Left Top Cover ⇒ Page 8-9.
4. Remove the Left Side Cover ⇒ Page 8-11.
5. Remove the Encoder Disc and Sensor ⇒ Page 8-57.
6. Loosen the two screws that secure the Paper-Axis Motor to the Printer.



7. Remove two screws that secure the Locking Plate to the Printer.

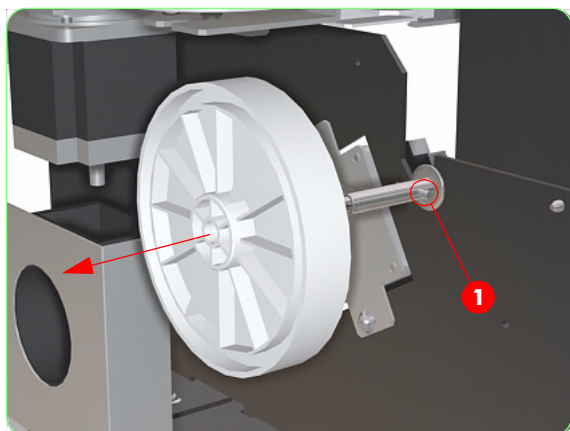


8. Remove the Locking Plate from the Printer.



9. Remove the Bearing (1), Spacer (2) and the Spring (3) from the Shaft.

Please note the position of the Bearing, Spacer and the Spring when removing them since you will need to make sure that you reinstall them in the same order.



10. Remove the Paper-Axis Gear from the Printer.

Please note the position of the Locking Pin (1) as it will need to fit into the slot in the Paper-Axis Gear when re-installing it.

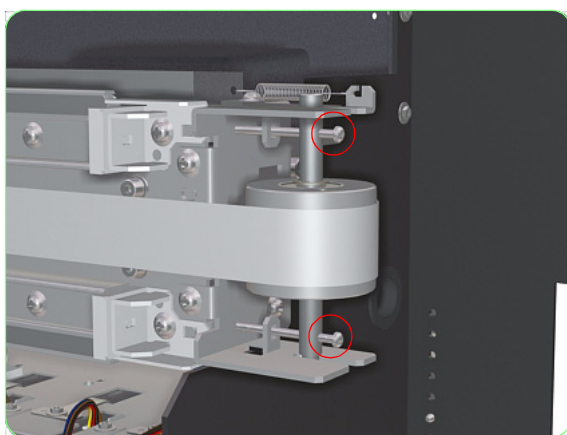
Once the Paper-Axis Gear has been installed correctly, you must perform the Paper-Axis Motor Tension Adjustment (refer to Page 5-10).

Carriage Drive Assembly (Includes Carriage Belt)

Removal

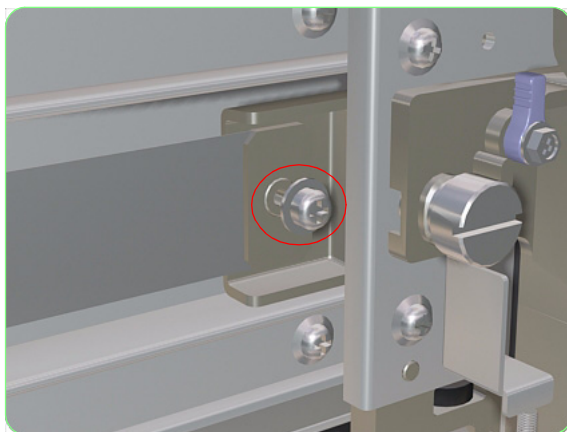
Switch off the product and remove the power cable.

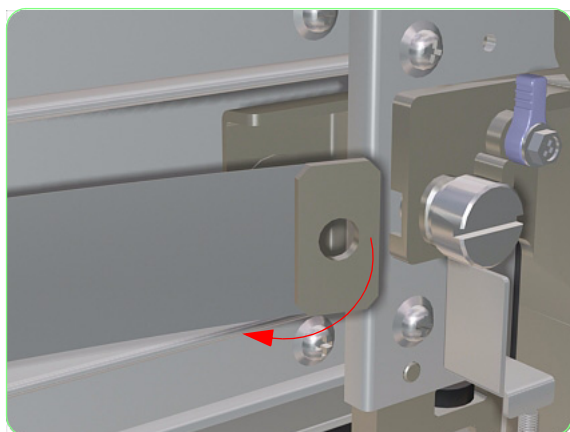
1. Remove the Window ⇒ Page 8-3.
2. Remove the Left and Right Door ⇒ Page 8-5.
3. Remove the Left Top Cover ⇒ Page 8-9.
4. Remove the Right Top Cover ⇒ Page 8-10.
5. Remove the Left Side Cover ⇒ Page 8-11.
6. Remove the Right Side Cover ⇒ Page 8-12.
7. Remove the Scan-Axis Motor ⇒ Page 8-71.
8. Loosen two screws that secure the Tension Pulley in order to release the tension on the Carriage Belt.



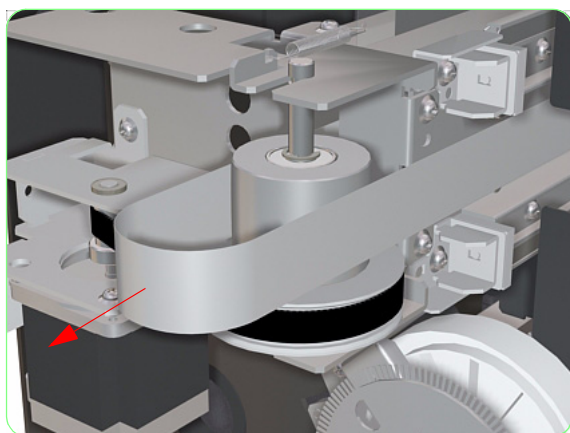
9. Remove one screw that secures the Belt to the left side of the Carriage Assembly.

Be very careful when handling the Belt, since it is sharp and could cause injury.

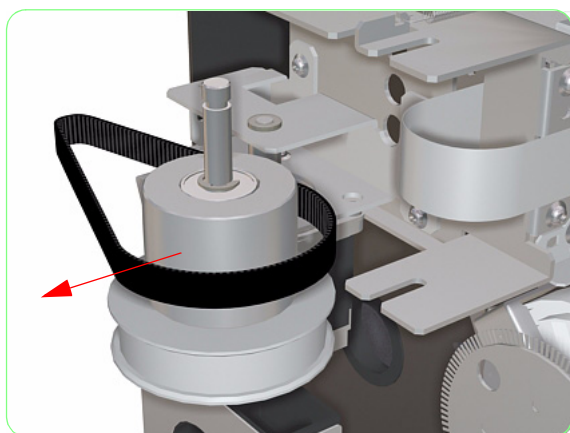




10. Release the Belt from the Carriage Assembly.



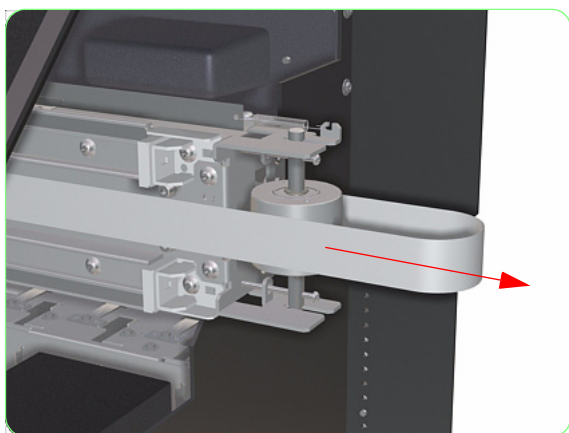
11. Pull the Belt away from the Drive Pulley.



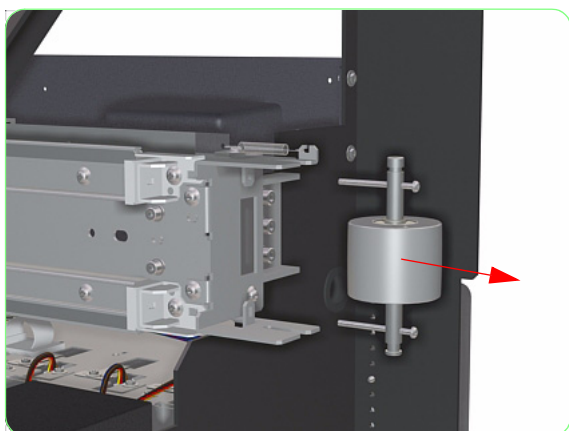
12. Remove the Drive Pulley from the Printer.



- 13.** Remove one screw that secures the Belt to the right side of the Carriage Assembly.



- 14.** Carefully slide the Belt out of the Carriage Assembly and remove from the Printer.



- 15.** Remove the Tension Pulley from the Printer.

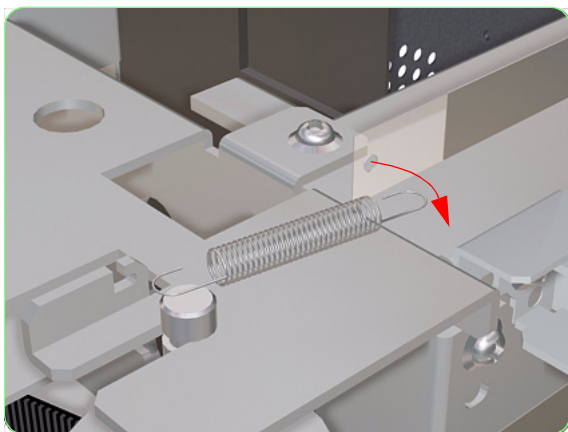
Once the Carriage Drive Assembly has been installed correctly, you must perform the Scan-Axis Belt Tension Adjustment (refer to Page 5-8) and the Belt Tension Adjustment (refer to Page 5-3).

Encoder Strip

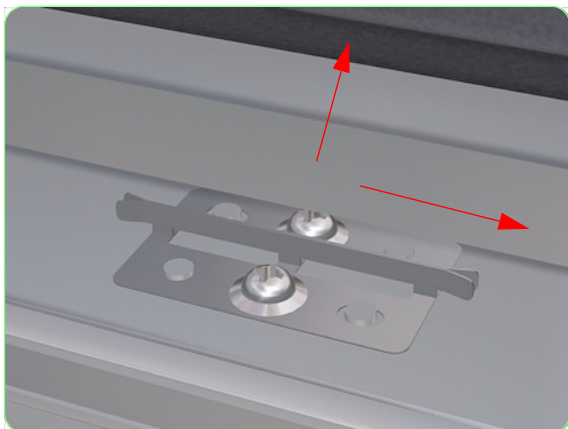
Removal

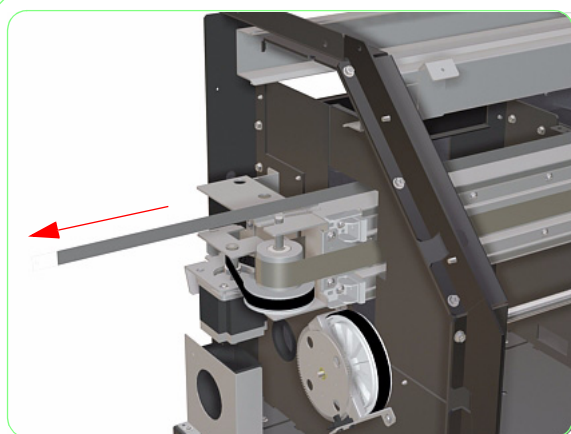
Switch off the product and remove the power cable.

1. Remove the Window ⇒ Page 8-3.
2. Remove the Right and Left Door ⇒ Page 8-5.
3. Remove the Left Top Cover ⇒ Page 8-9.
4. Remove the Right Top Cover ⇒ Page 8-10.
5. Remove the Left Side Cover ⇒ Page 8-11.
6. Remove the Right Side Cover ⇒ Page 8-12.
7. Remove the Top Cover ⇒ Page 8-15.
8. Release the encoder strip from the spring on both sides of the Encoder Strip.



9. Remove the Encoder Strip from the holder.





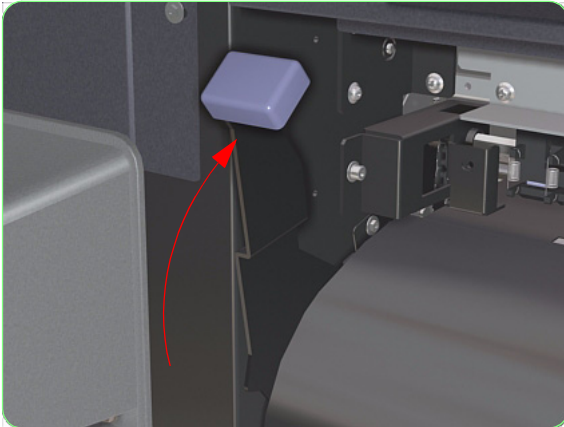
10. Remove the Encoder Strip from the Printer.

Pinch Roller

Removal

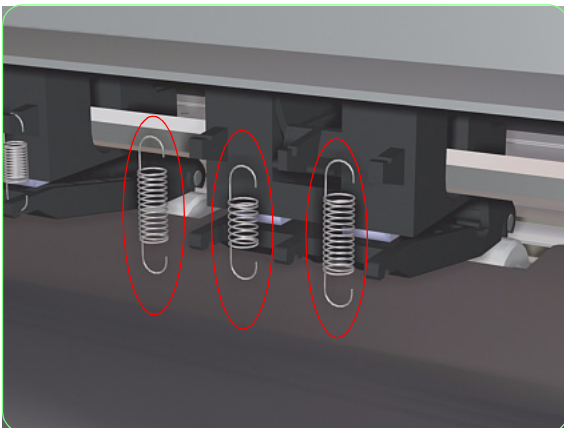
Switch off the product and remove the power cable.

1. Remove the Rear Cover ⇒ Page 8-17.
2. Move the Rear Pinch Wheel Lever to the up position.

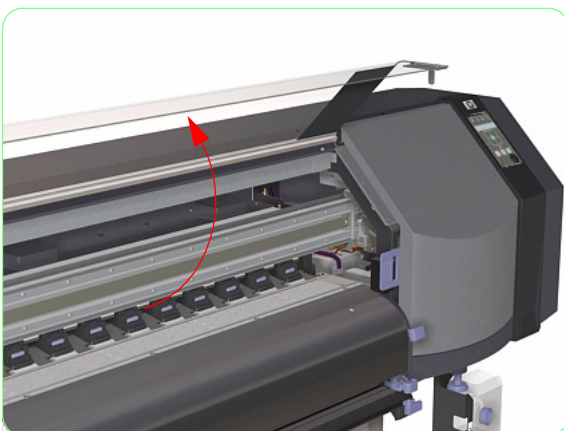


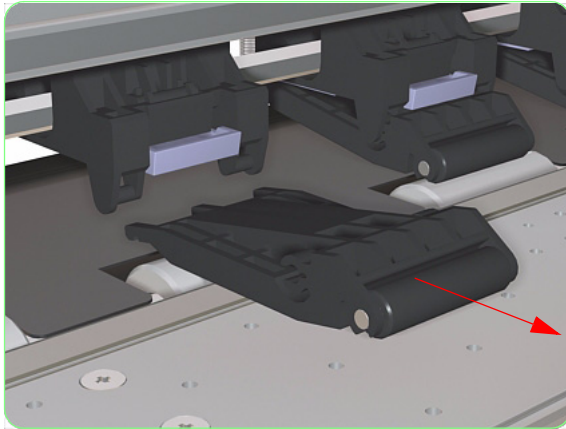
3. Remove three springs from the rear of the Pinch Wheel.

The center spring is smaller (and stronger) than the other two springs.



4. Open the Window.





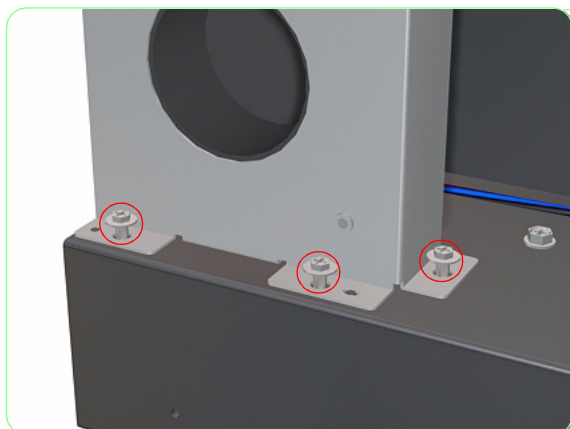
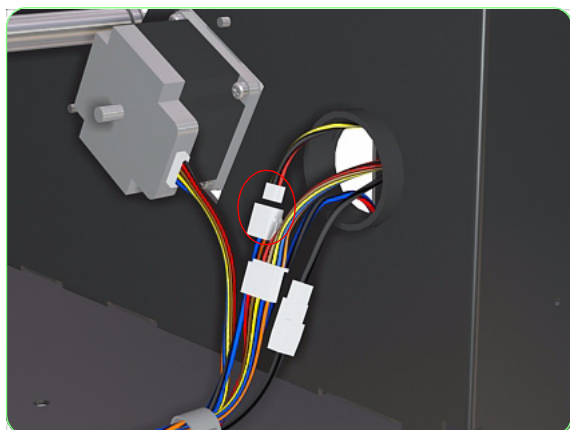
5. Remove the Pinch Wheel from the Printer.

Motor Cooling Fan

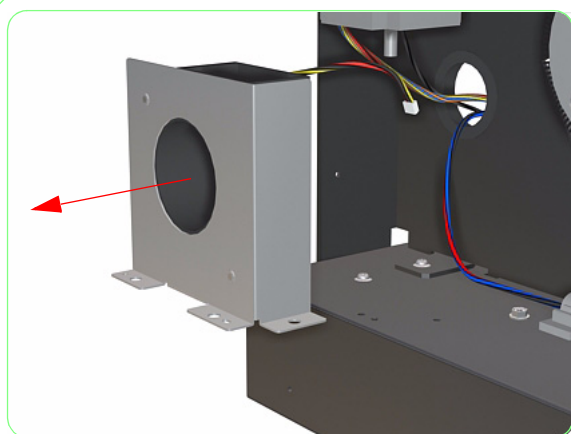
Removal

Switch off the product and remove the power cable.

1. Remove the Window ⇒ Page 8-3.
2. Remove the Left Cover ⇒ Page 8-5.
3. Remove the Left Top Cover ⇒ Page 8-9
4. Remove the Left Side Cover ⇒ Page 8-11.
5. Remove the Left Back Cover ⇒ Page 8-14.
6. Disconnect the Motor Cooling Fan Cable.



7. Remove three screws that secure the Motor Cooling Fan to the left side of the printer.



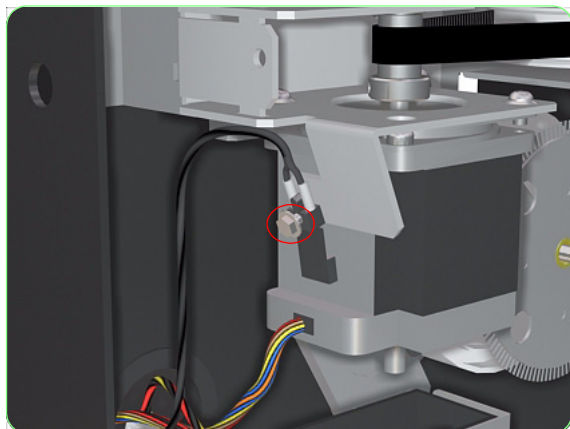
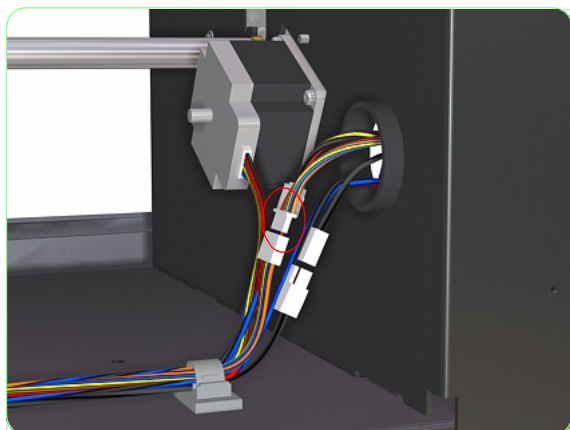
- 8.** Remove the Motor Cooling Fan from the Printer.

Scan-Axis Motor

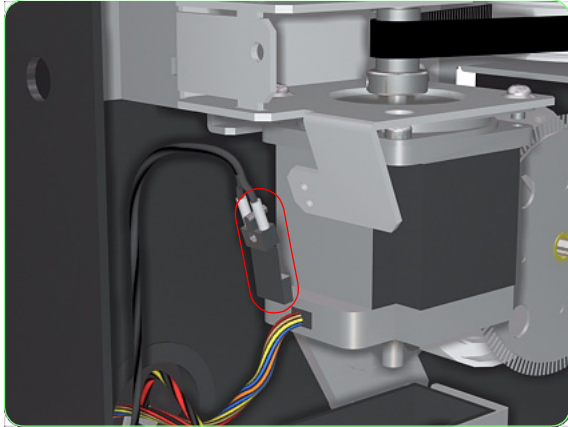
Removal

Switch off the product and remove the power cable.

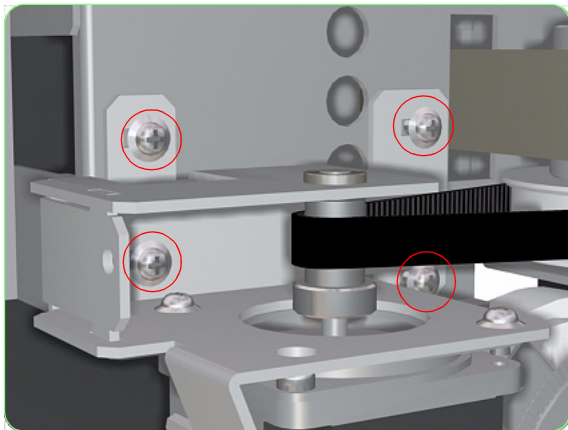
1. Remove the Window ⇒ Page 8-3.
2. Remove the Left Door ⇒ Page 8-5.
3. Remove the Left Top Cover ⇒ Page 8-9.
4. Remove the Left Side Cover ⇒ Page 8-11.
5. Remove the Left Back Cover ⇒ Page 8-14.
6. Disconnect the Scan-Axis Motor Cable.



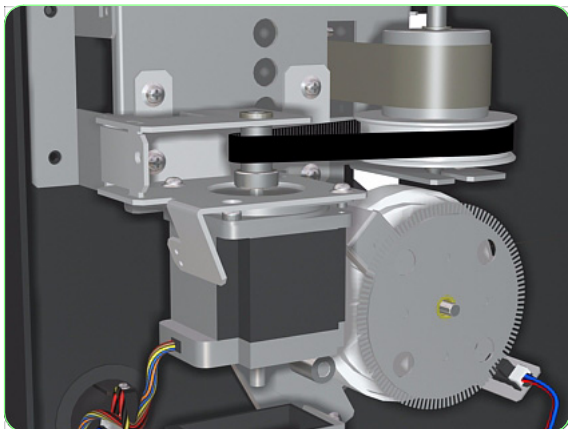
7. Remove the screw that secures the Thermistor to the side of the Scan-Axis Motor.



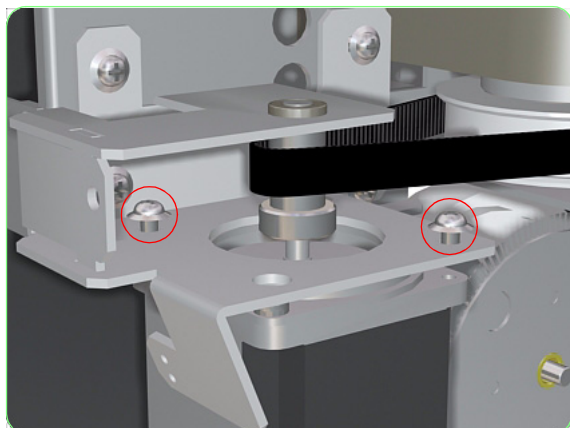
- 8.** Remove the Thermistor from the side of the Scan-Axis Motor.



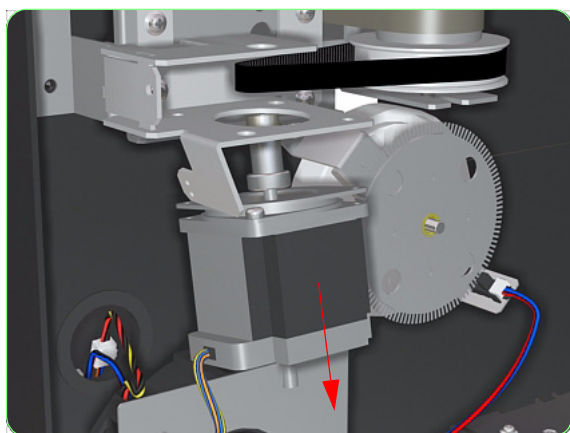
- 9.** Loosen four screws securing the Scan-Axis Bracket to the left side of the printer.



- 10.** Release the belt from tension.



- 11.** Remove two screws that secure the Scan-Axis Motor to the Scan-Axis Bracket.



- 12.** Remove the Scan-Axis Motor from the Printer.

Once the Scan-Axis Motor has been installed correctly, you must perform the Scan-Axis Belt Tension Adjustment (refer to Page 5-8).

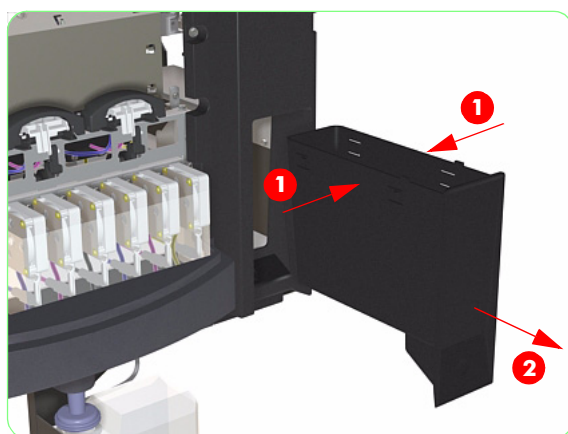
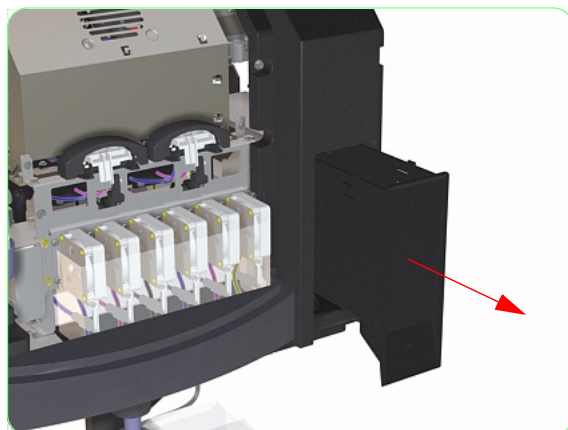
Also, if you have replaced the Scan-Axis Belt, make sure you reset the Scan-Axis Belt Counter (for more information, refer to Page 4-43).

Carriage PCA

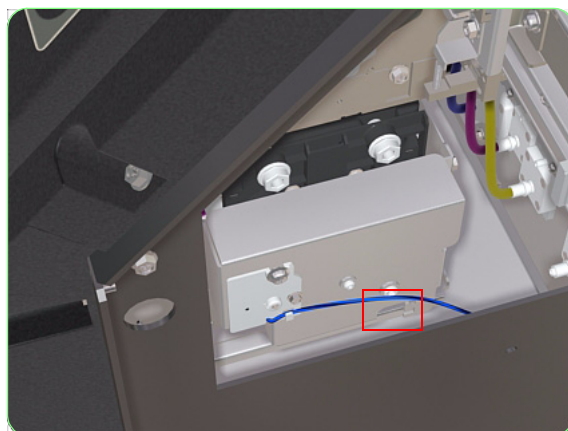
Removal

Switch off the product and remove the power cable.

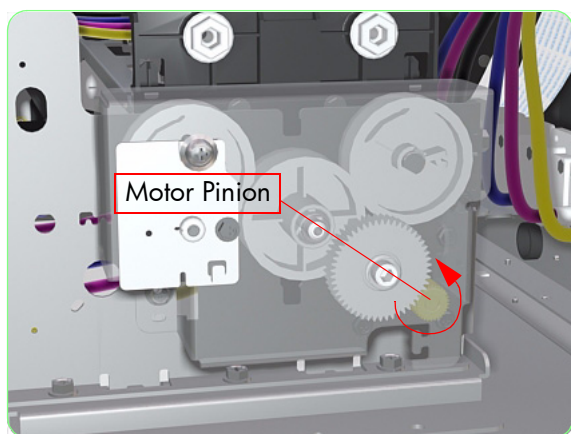
1. Remove the Window ⇒ Page 8-3.
2. Remove the Left Door ⇒ Page 8-5.
3. Remove the Left Top Cover ⇒ Page 8-9.
4. Open the Maintenance Kit Drawer.



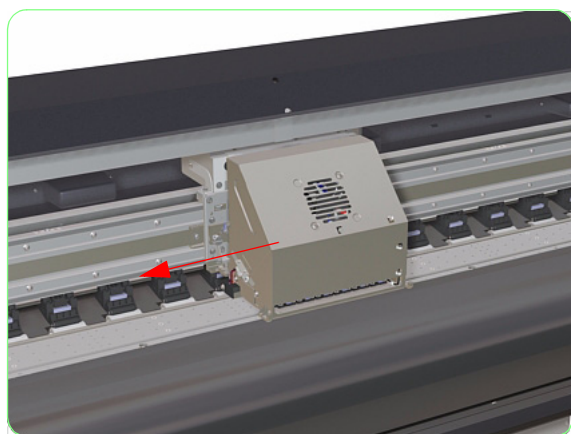
5. Squeeze both sides of the Maintenance Kit Drawer to release the clips and remove from the Printer.



6. Put your hand through the hole (where the Maintenance Kit Drawer is normally installed) and locate the Motor Pinion that controls the Capping Units.



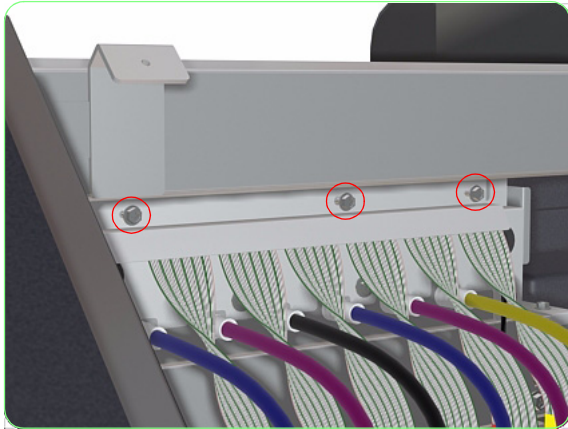
7. Rotate the Motor Pinion in a counter-clockwise direction in order to uncap the Carriage Assembly.



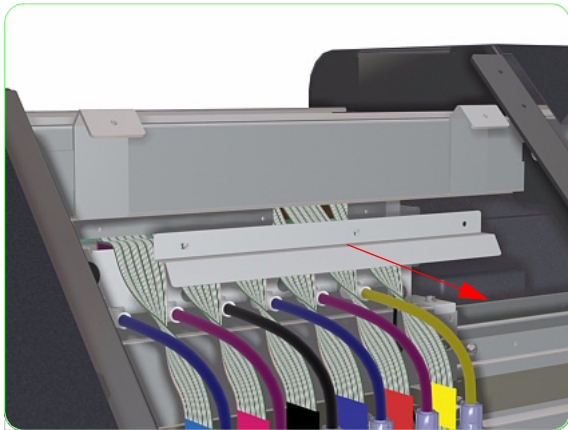
8. Once uncapped, manually move the Carriage Assembly to the left side of the printer.



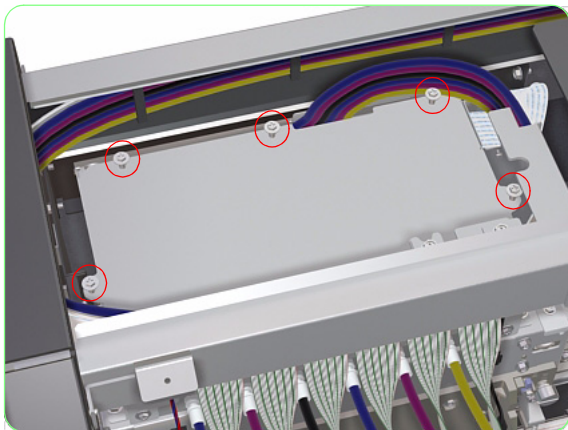
9. Open the Printhead Cover.



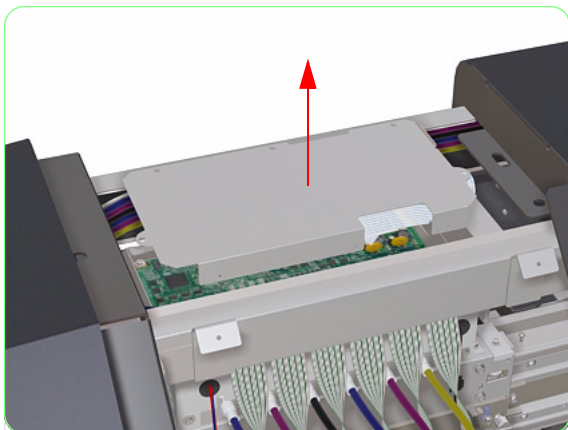
- 10.** Remove three screws that secure the Top Carriage Bracket to the top of the Carriage Assembly.



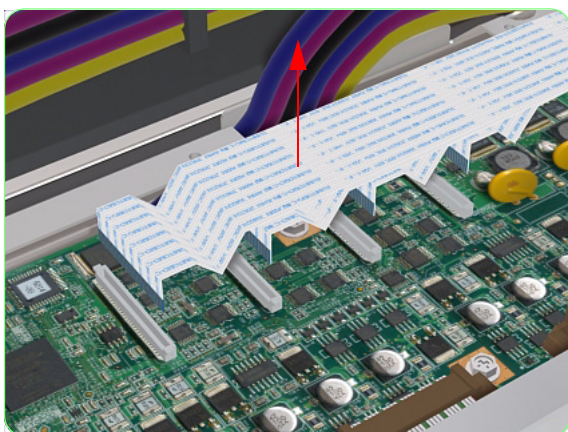
- 11.** Remove the Top Carriage Bracket.



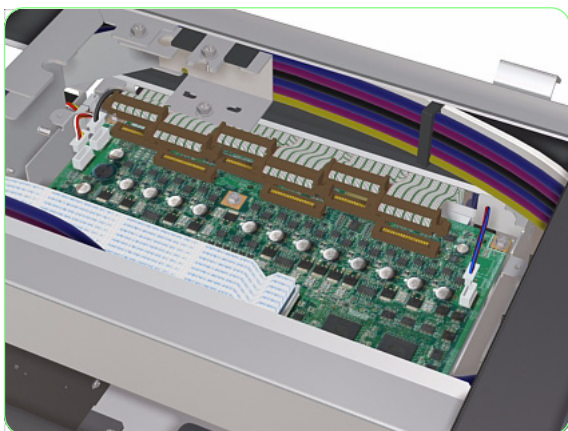
- 12.** Remove five screws that secure the Top Carriage Cover.



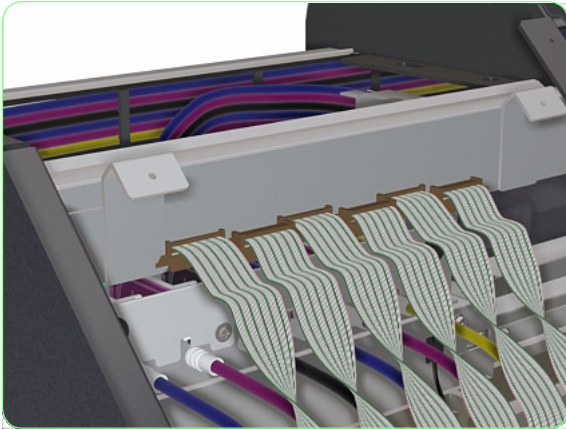
13. Remove the Top Carriage Cover.



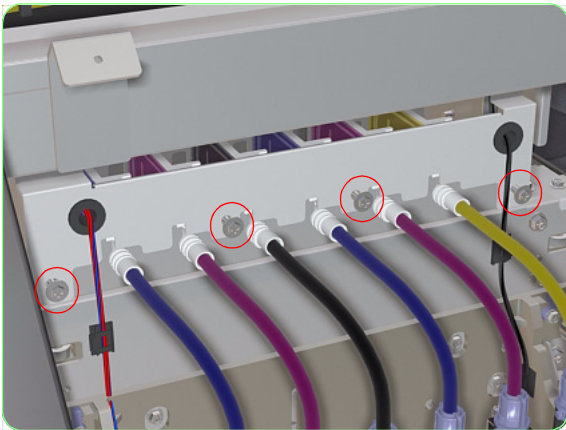
14. Disconnect the Trailing Cable from the Carriage PCA.



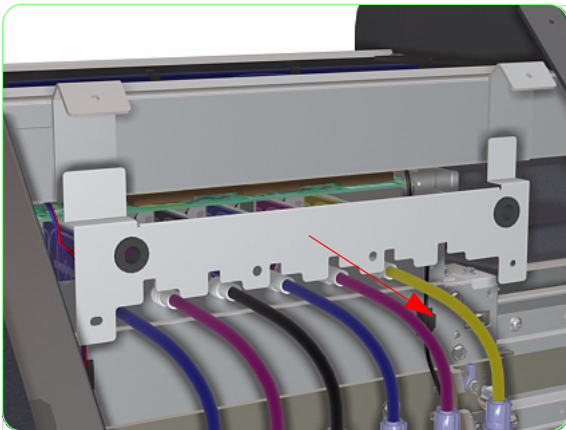
15. Disconnect ALL the Printhead Cables from the Carriage PCA.



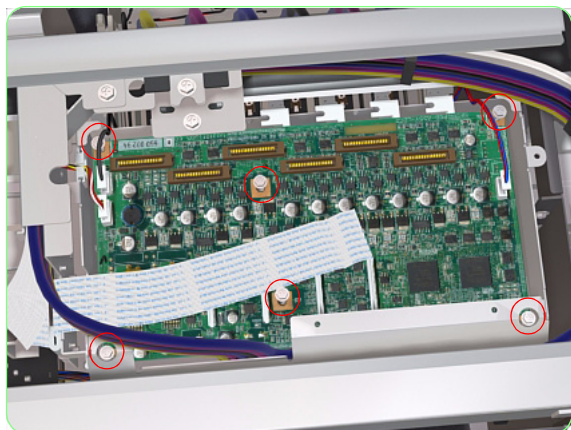
16. Pull out the Printhead Cables from under the Metal Cover.



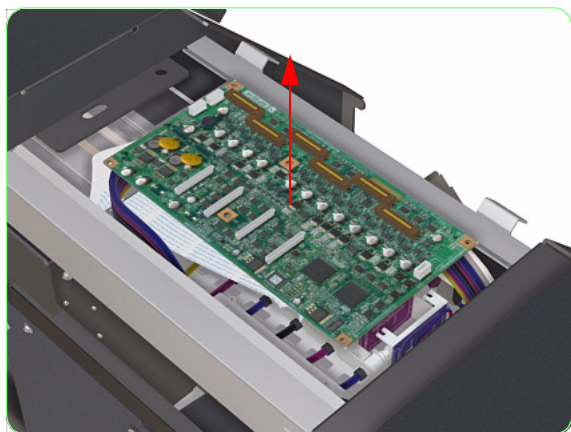
17. Remove four screws that secure the Tubes Cover.



18. Remove the Tubes Cover.



19. Remove six screws that secure the Carriage PCA.



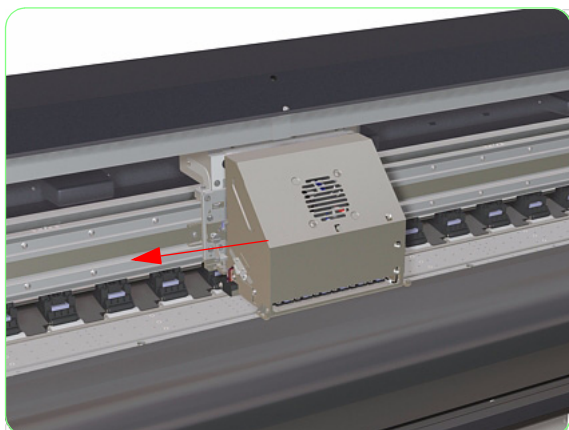
20. Remove the Carriage PCA from the Carriage Assembly.

Encoder Sensor

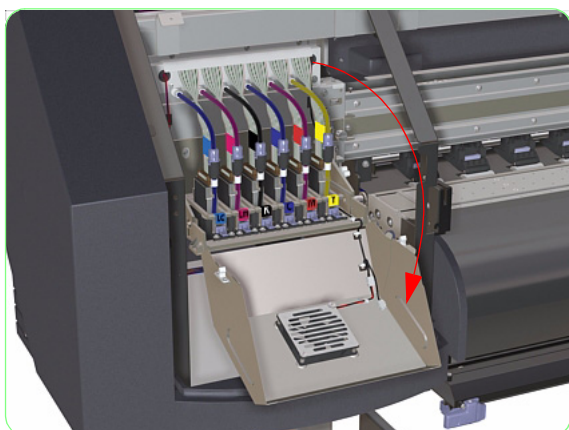
Removal

Switch off the product and remove the power cable.

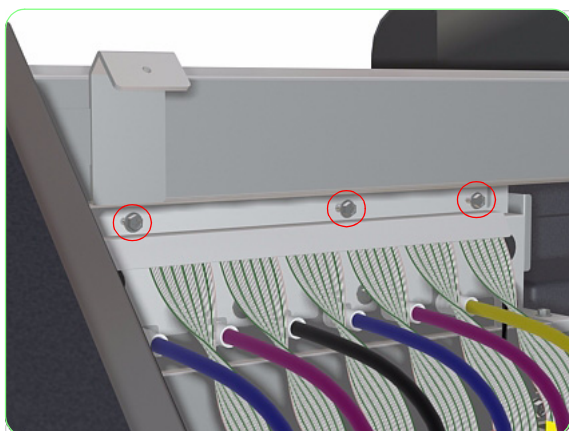
1. Remove the Window ⇒ Page 8-3.
2. Remove the Left Door ⇒ Page 8-5.
3. Remove the Left Top Cover ⇒ Page 8-9.
4. Uncap the Carriage Assembly and manually move it to the left side of the printer.



5. Open the Printhead Cover.

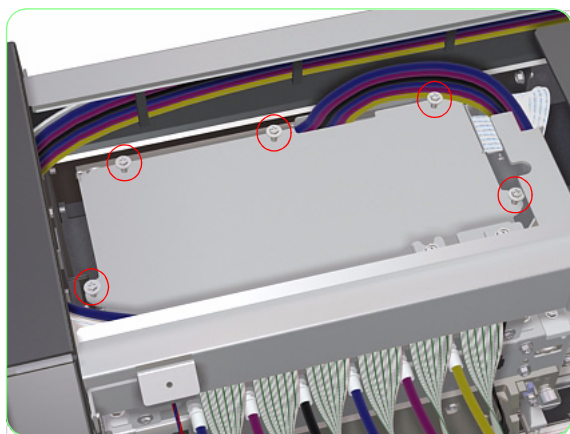


6. Remove three screws that secure the Top Carriage Bracket to the top of the Carriage Assembly.

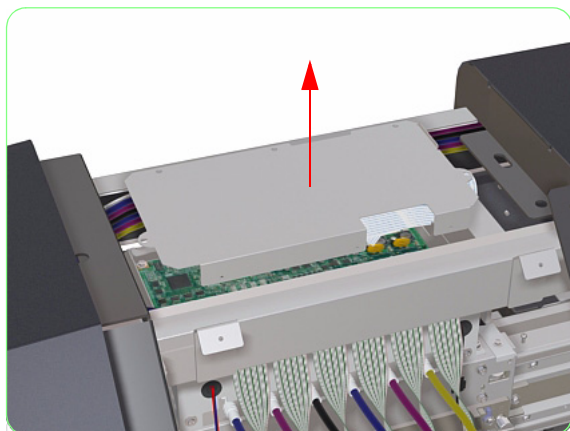




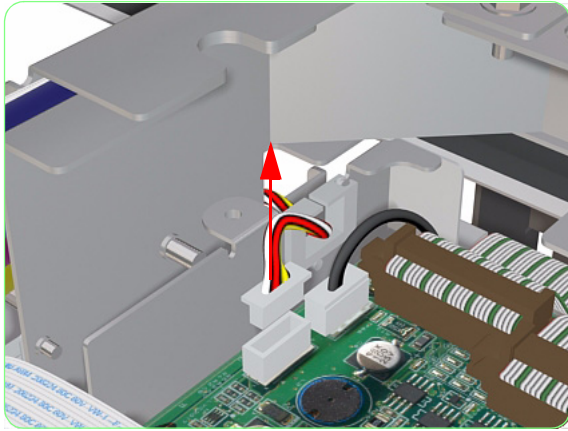
7. Remove the Top Carriage Bracket.



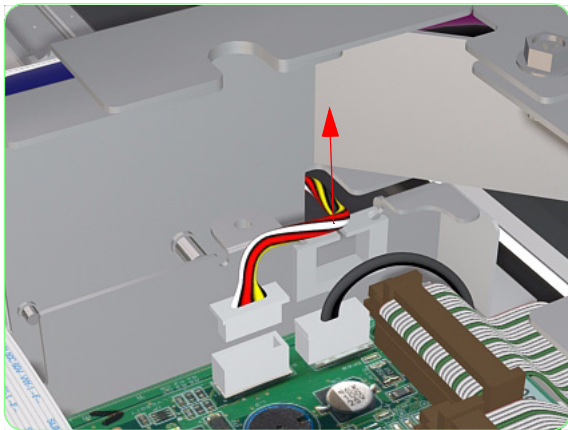
8. Remove five screws that secure the Top Carriage Cover.



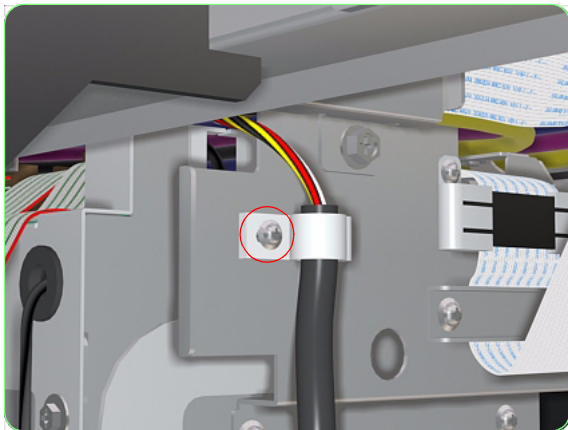
9. Remove the Top Carriage Cover.



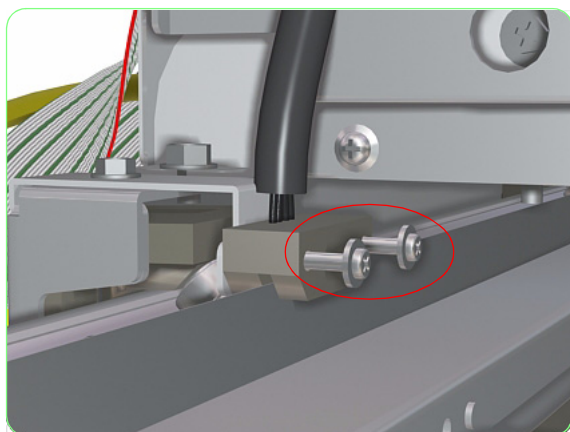
- 10.** Disconnect the Encoder Sensor Cable from the Carriage PCA.



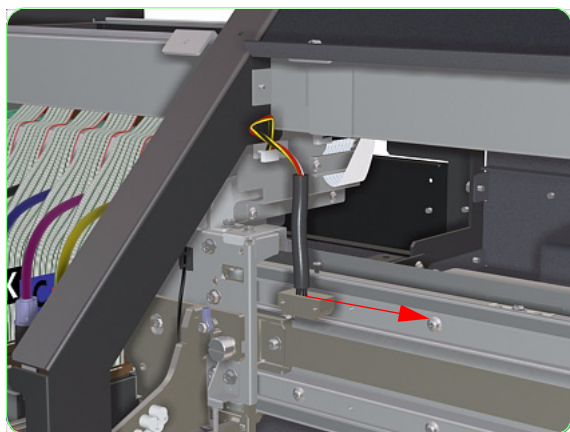
- 11.** Release the Encoder Sensor Cable from the Cable Clip.



- 12.** Remove one screw that secure the Cable Clamp to the Carriage Assembly



- 13.** Remove two screws that secure the Encoder Sensor to the Carriage Assembly.

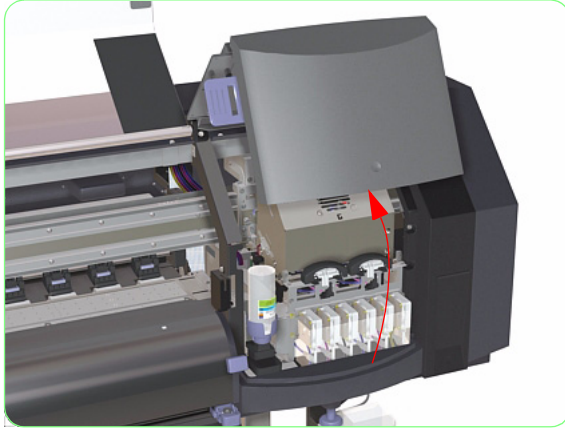


- 14.** Remove the Encoder Sensor from the Carriage Assembly.

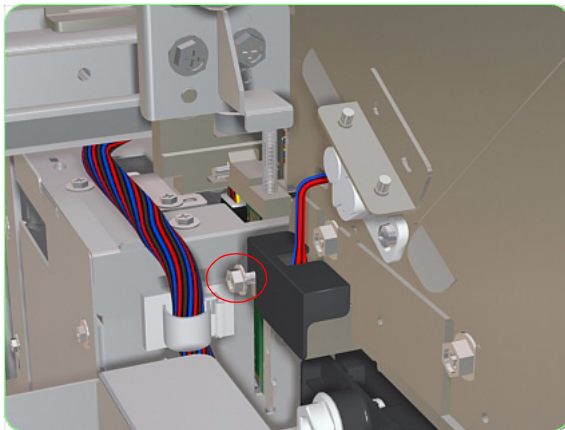
Line Sensor

Removal

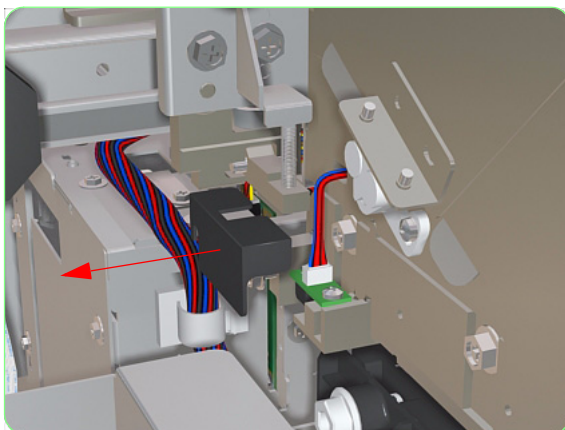
Switch off the product and remove the power cable.



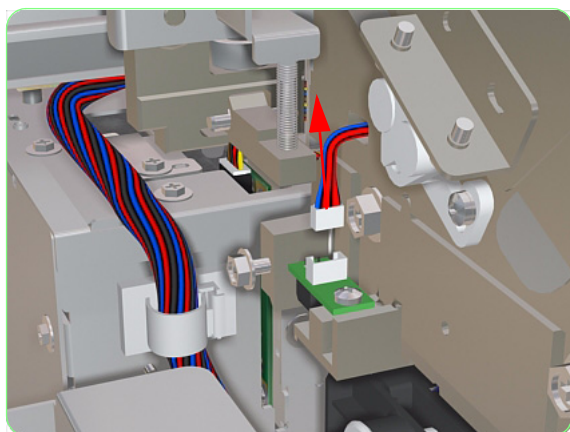
1. Open the Right Door.



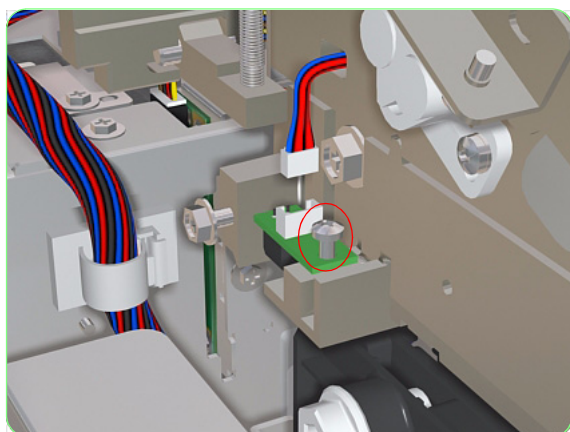
2. Loosen one screw that secures the Line Sensor Cover.



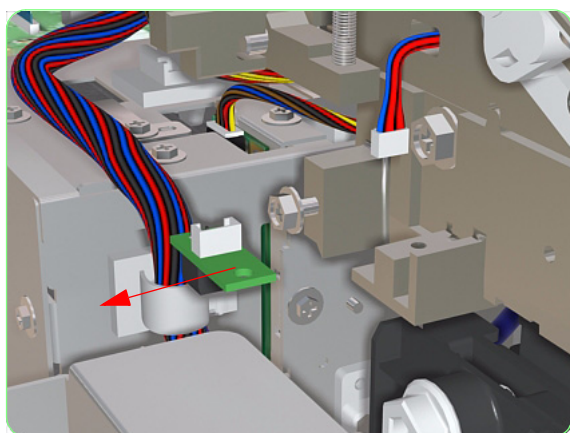
3. Remove the Line Sensor Cover.



4. Disconnect the cable from the Line Sensor.



5. Remove the screw that secures the Line Sensor to the Printer.



6. Remove the Line Sensor from the Printer.

Once the Line Sensor has been installed correctly, you must perform the following calibrations:

- **Line Sensor Calibration (Side Margin) ⇒ Page 5-20.**
- **Line Sensor Calibration (Top Margin) ⇒ Page 5-22.**

Printhead

Replacement

PRINTER READY
ROLL: 64/PAPER

▲ INK MEDIA REG▼
◀ MEDIA M.ADV▶

▲ REWIND FORM FEED▼
◀ PH. REC PH. MAIN▶

REPLACE PRINthead
>

REPLACE PRINthead
* OK?

REMOVE INK CARTRIDGE

1. When the "Printer Ready" message appears on the Front Panel, press the **Online** key to take the Printer offline.
2. When this screen is displayed on the Front Panel, press the **Shift** key once.
3. When this screen is displayed on the Front Panel, press the **▶** key to enter into the PH Main Menu.
4. In the PH Main submenu, scroll to "Replace Printhead" and press the **OK** key.
5. You will need to confirm that you want to replace the failing Printhead by pressing the **OK** key.
6. When this message is displayed on the Front Panel, remove the Ink Cartridge of the same color as the Printhead that needs replacing.



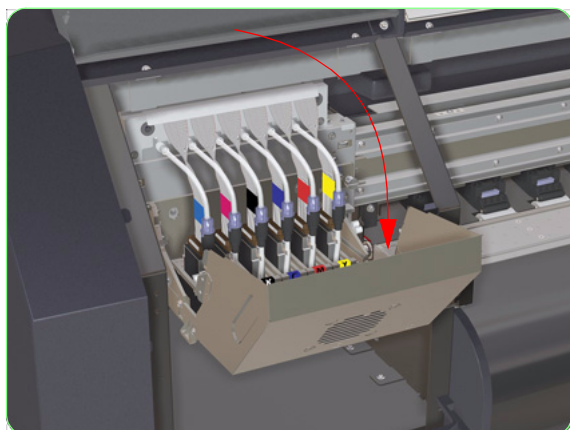
INSTALL PRINthead
REPLACEMENT CART



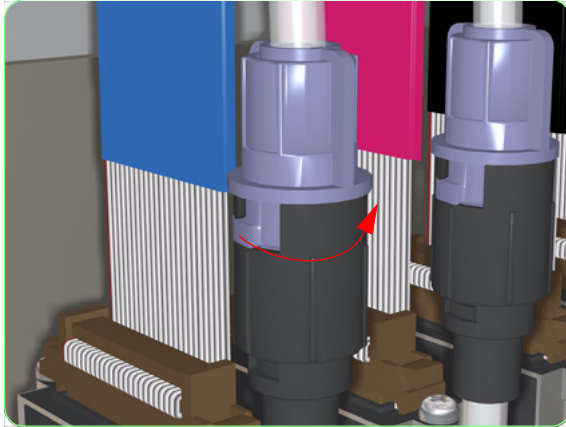
REPLACE XX PRINthead
* OK?

CARRIAGE MOVING
PLEASE WAIT

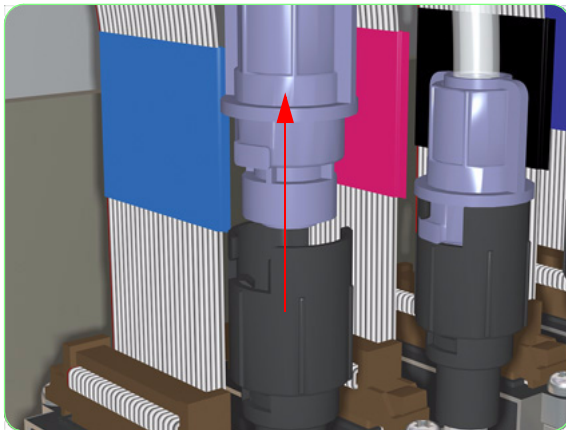
OPEN COVER
REPLACE XX PRINthead



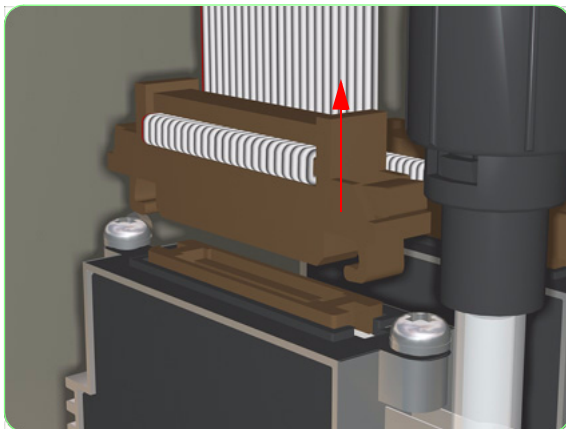
7. When this message is displayed on the Front Panel, insert the Printhead Replacement Cartridge.
8. You will need to confirm that you want to replace the failing Printhead by pressing the **OK** key.
9. The Carriage will automatically move to the left side of the Printer, during which this message will be displayed on the Front Panel.
10. When this message is displayed on the Front Panel, open the Window and the Left Door to access the Carriage.
11. Open the Printhead Cover.



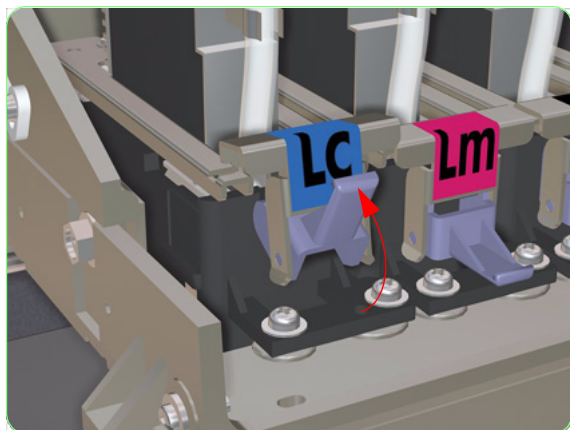
12. Twist the Blue Ink Tube Connector to unlock it.



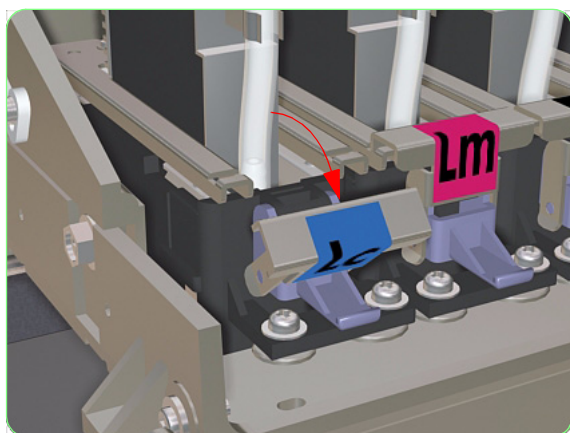
13. Disconnect the Blue Ink Tube Connector from the Printhead Tube Connector.



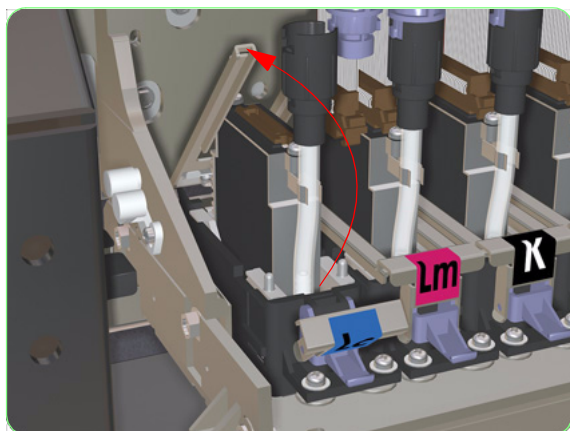
14. Disconnect the Printhead Connector from the Printhead.



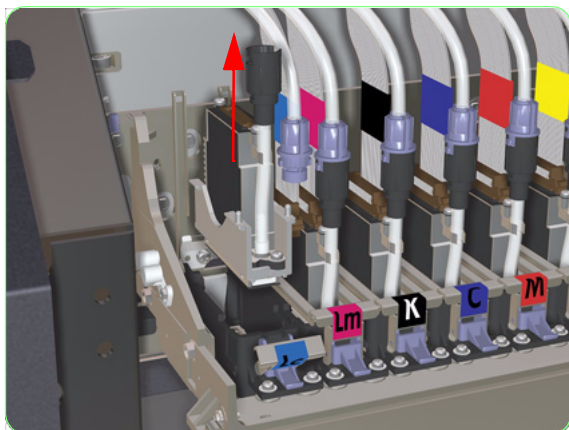
15. Lift up the Front Blue Latch to release the Top Printhead Latch.



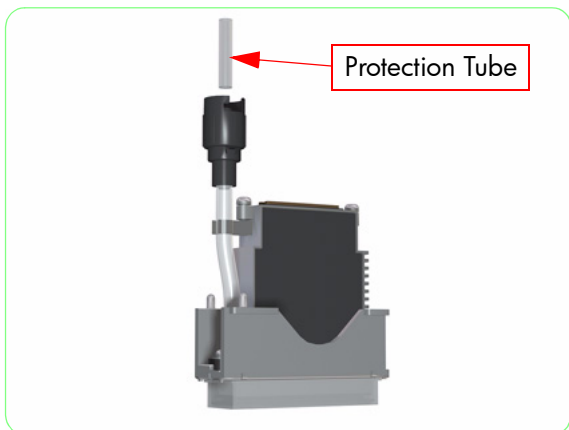
16. Pull back the Front Printhead Latch.



17. Lift up the Top Printhead Latch.

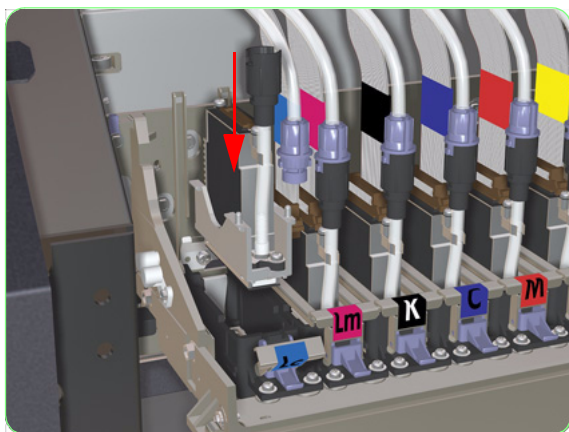


18. Pull up the Printhead and remove from the Carriage.

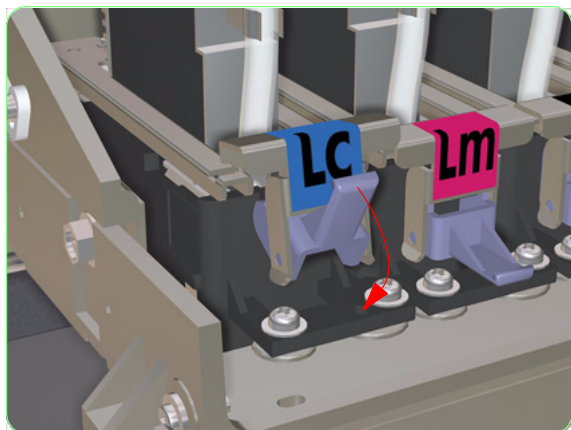


19. Remove the new Printhead from the box. Make sure you remove the Protection Tube from the Printhead before installing the Printhead into the Carriage.

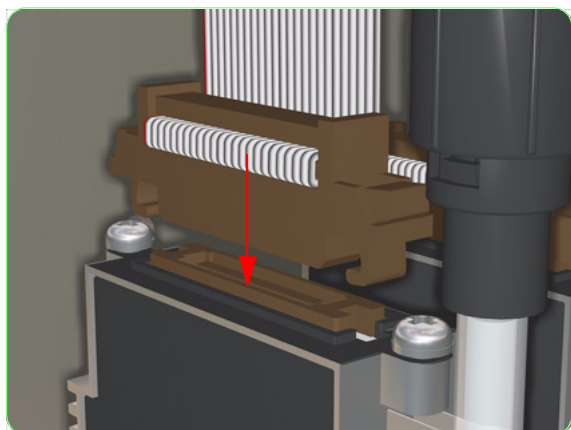
Do not remove the Printhead Nozzle Protection Cap at this point.



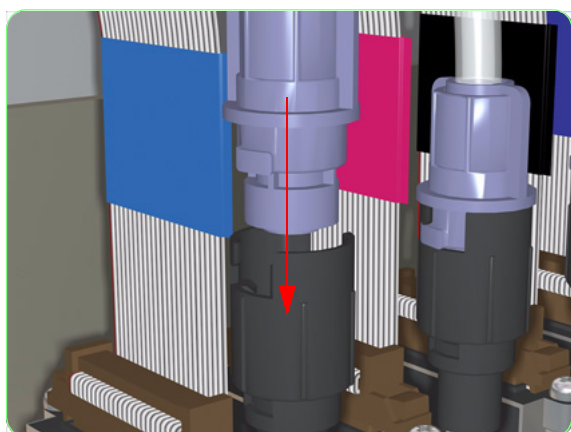
20. Insert the new Printhead into the Carriage.



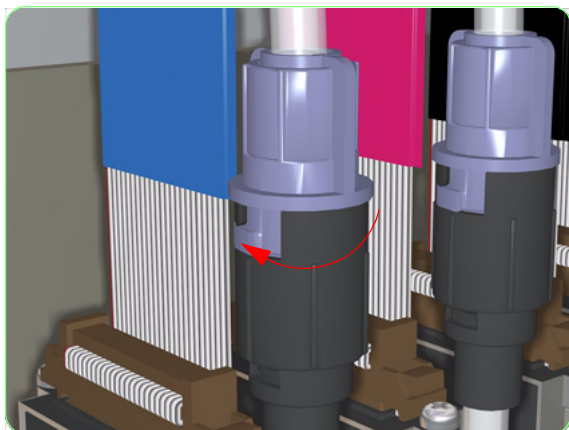
21. Lower the latches and lock the blue Latch into place.



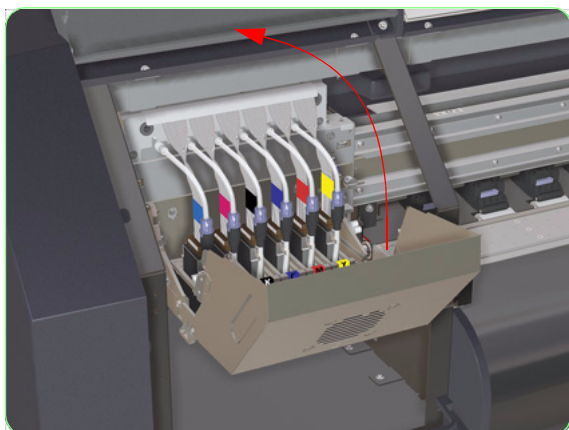
22. Connect the Printhead Cable Connector to the Printhead.



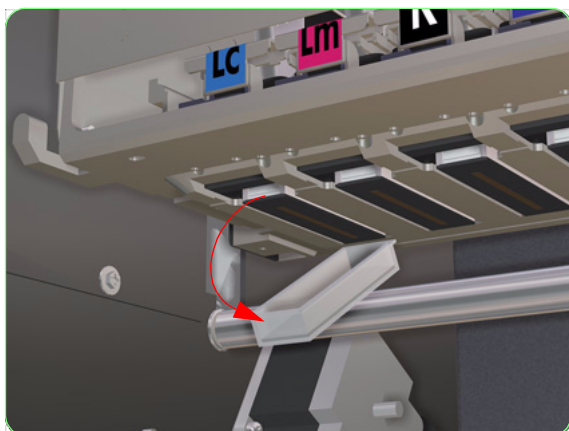
23. Connect the Blue Ink Tube Connector from the Printhead Tube Connector.



24. Twist the Blue Ink Tube Connector to unlock it into position.



25. Close the Printhead Cover, making sure it is fully closed.



26. From under the Carriage, remove the Printhead Nozzle Protection Cap from the Printhead.

CHECK PROTECT CAP
* OK?

CARRIAGE MOVING
PLEASE WAIT

27. Close the Left Door and the Window.

28. When this message is displayed, press the OK key to confirm that you have removed the protection cap from the Printhead.

29. The Carriage will automatically move to the left side of the Printer, during which this message will be displayed on the Front Panel.

REMOVE PRINthead
REPLACEMENT CART



30. When this message is displayed on the Front Panel, remove the Printhead Replacement Cartridge.

RE-INSTALL CARTRIDGE



31. When this message is displayed on the Front Panel, re-install the Ink Cartridge that you removed earlier.

CHARGE NEW-PH
* BOTTLE OK?

INK REFILLING
XXX

REPLACE PRINthead
>

32. When this message is displayed, check whether the Waste Ink Bottle is present and is **not** full. Press the OK key to confirm that you want to charge the new Printhead with ink.
33. The Printer will charge the ink and this message will be displayed on the Front Panel.
34. Once the ink charge sequence is completed, the Front Panel will return to this screen.

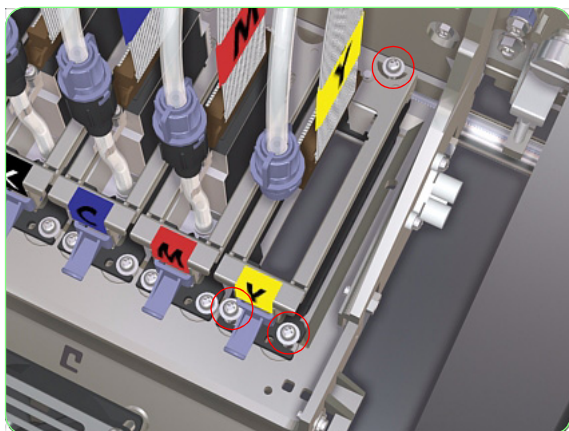
After the Printhead has been replaced, you MUST carefully follow the instructions in Chapter 3 in order to calibrate the NEW Printhead correctly.

Printhead Slot Assembly

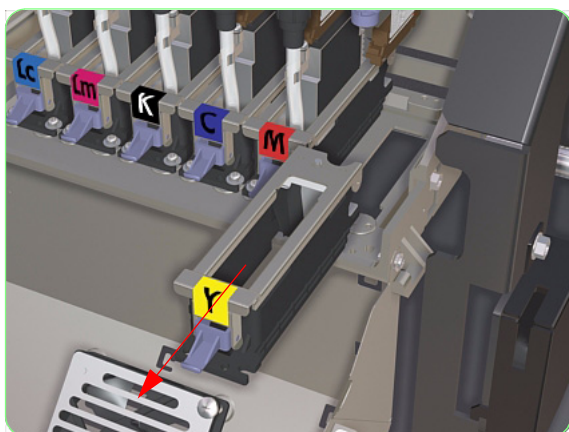
Removal

Switch off the product and remove the power cable.

1. Remove the Printhead ⇒ Page 8-86.
2. Remove three screws that secure the Printhead Slot to the Carriage.



3. Remove the Printhead Slot from the Carriage Assembly.



Once the Printhead Slot has been installed correctly, you must perform the Printhead Inclination Adjustment (refer to Page 5-12).

Printhead Cooling Fan

Removal

Switch off the product and remove the power cable.

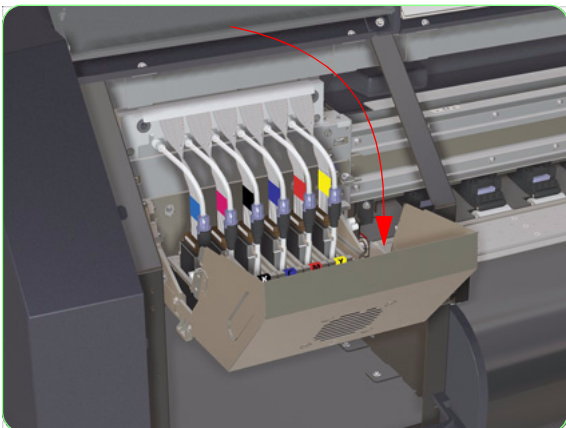
1. Using the Front Panel menu, move the Carriage to the Maintenance Area (on the left hand side of the Printer).
2. Open the Window.

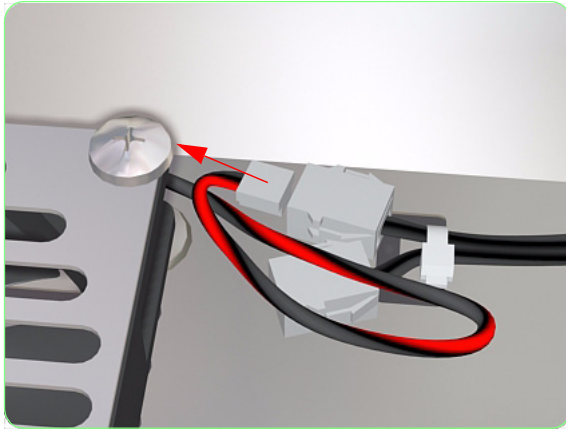


3. Open the Left or Right Door.

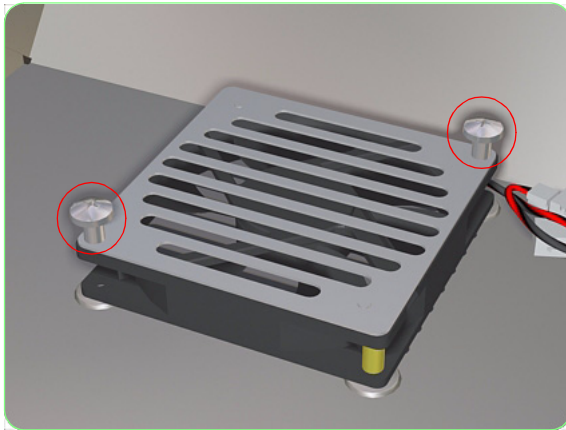


4. Open the Printhead Cover.

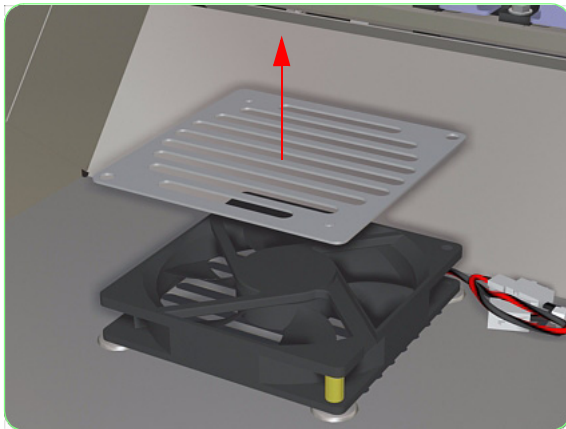




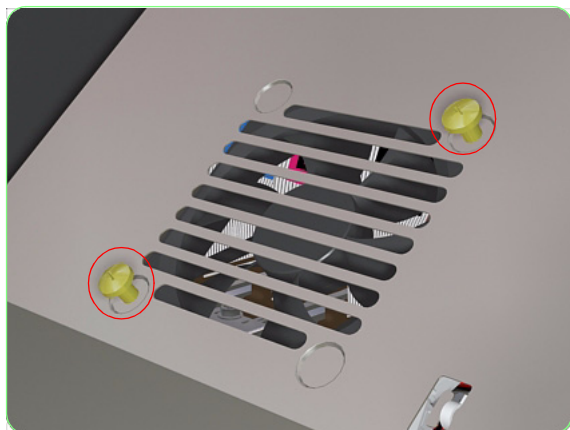
5. Disconnect the Cooling Fan Cable.



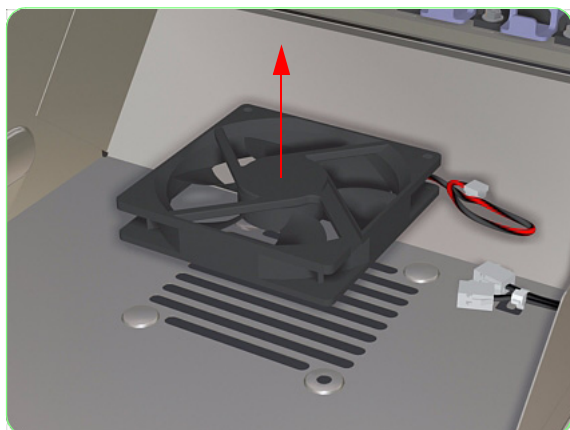
6. Remove two screws that secure the Cover Plate to the Cooling Fan.



7. Remove the Cover Plate from the Cooling Fan.



8. Remove two screws from the outside that secure the Cooling Fan to the Printhead Cover.



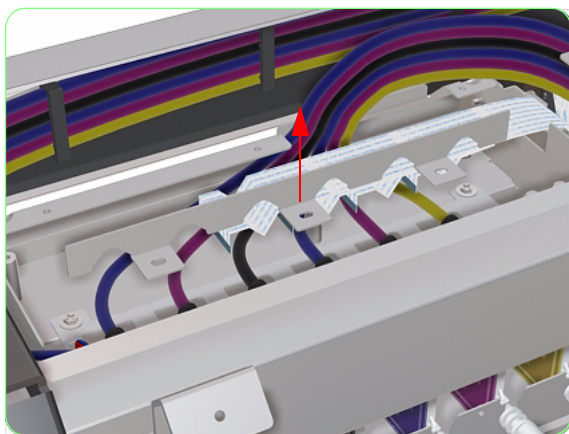
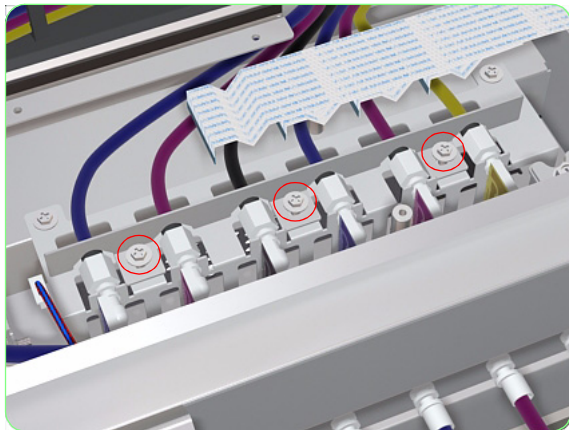
9. Remove the Cooling Fan from the Printer.

Air Damper

Removal

Switch off the product and remove the power cable.

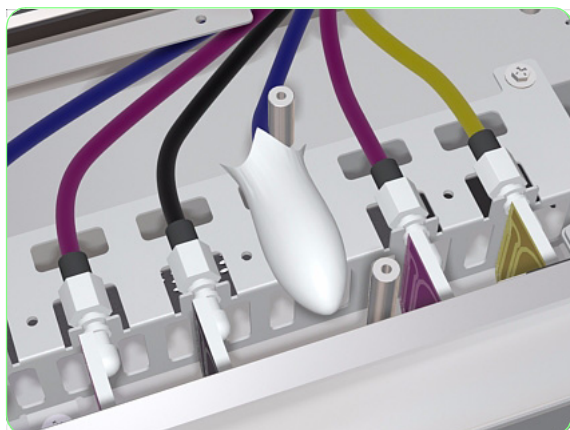
1. Remove the Window ⇒ Page 8-3.
2. Remove the Left Door ⇒ Page 8-5.
3. Remove the Left Top Cover ⇒ Page 8-9.
4. Remove the Carriage PCA ⇒ Page 8-74.
5. Remove three screws that secure the Air Damper Plate.



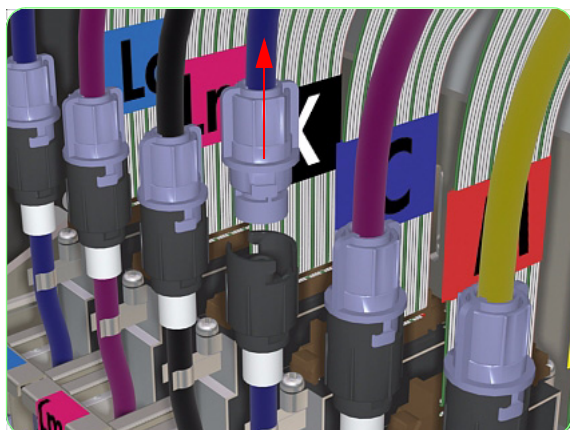
6. Remove the Air Damper Plate from the Carriage Assembly.



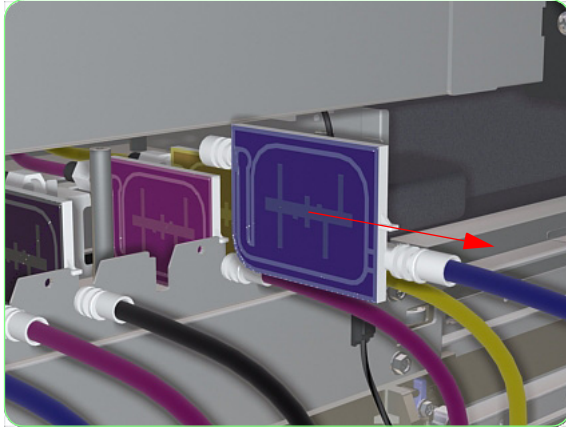
- 7.** Disconnect the Ink Tube from the Air Damper.



- 8.** Use a lint-free cloth or a polyethylene bag to cover the end of the Ink Tube so that ink does not drip into the Printer.



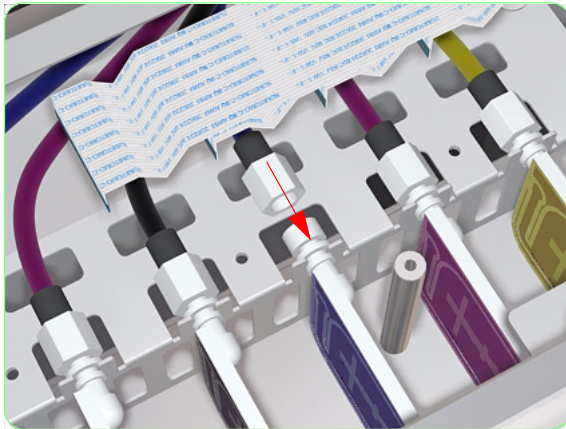
- 9.** Disconnect the Blue Ink Tube Connector from the Printhead Tube Connector.



10. Remove the Air Damper from the Printer.

Installation

Take care of the following when installing a **new** Air Damper.



- 1.** When connecting the Ink Tube to the Air Damper, make sure you tighten it firmly. If possible, the torque applied to the Ink Tube Nut should not exceed 2 kg/cm.

Trailing Cable/Ink Supply Tubes

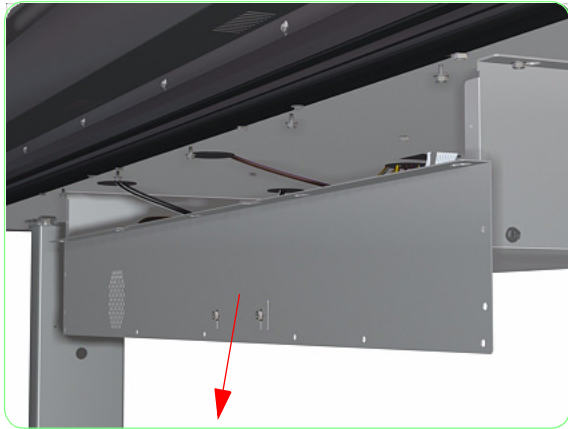
Removal

Switch off the product and remove the power cable.

1. Remove the Window ⇒ Page 8-3.
2. Remove the Left and Right Door ⇒ Page 8-5.
3. Remove the Left Top Cover ⇒ Page 8-9.
4. Remove the Right Top Cover ⇒ Page 8-10.
5. Remove the Right Side Cover ⇒ Page 8-12.
6. Remove the Top Cover ⇒ Page 8-15.
7. Remove the Ink Cartridge Bay Cover ⇒ Page 8-20.
8. Remove the Rear Heater ⇒ Page 8-47.
9. Remove the Carriage PCA ⇒ Page 8-74.
10. Loosen five screws that secure the top of the Front Electronics Module Cover.



11. Remove ten screws that secure the Front Electronics Module Cover.



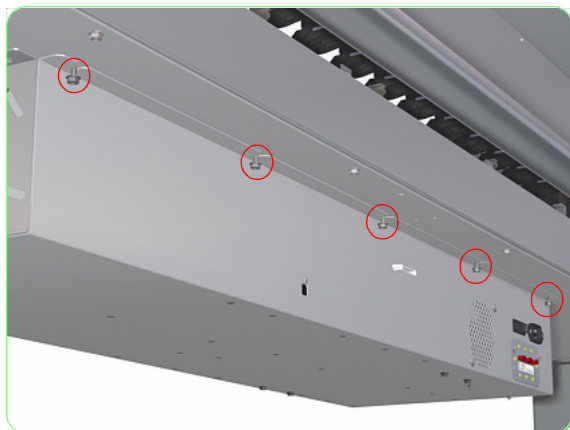
12. Remove the Front Electronics Module Cover.



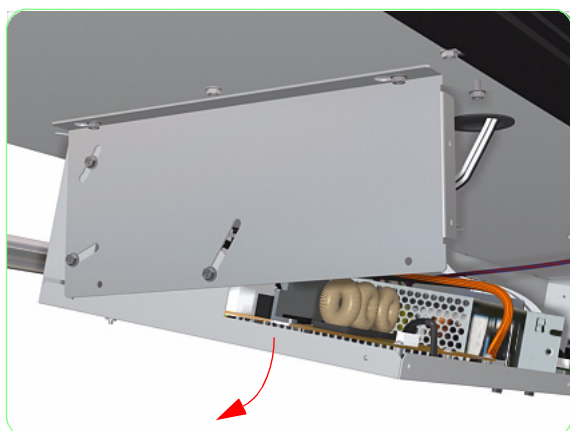
13. Remove two screws from the left and right side of the Electronics Module.



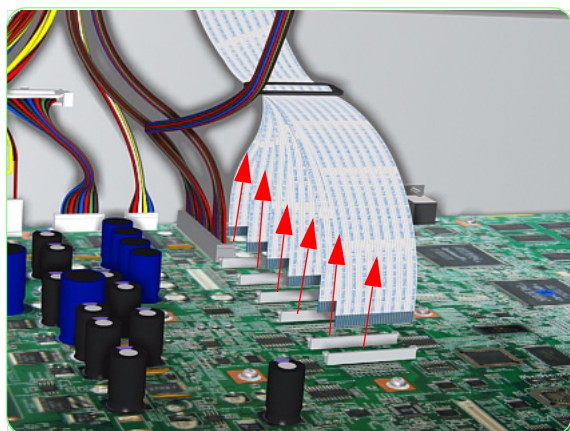
14. Loosen three screws on the left and right side of the Electronics Module



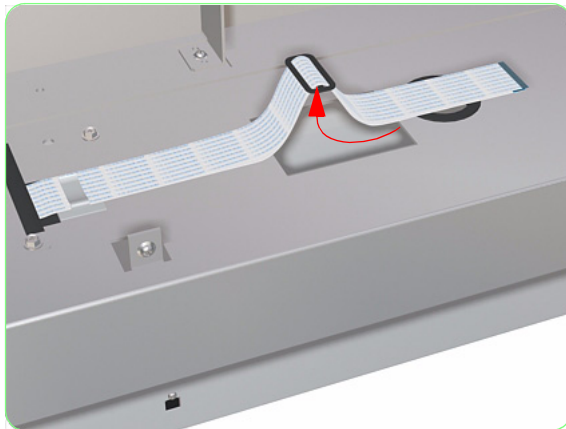
15. Loosen five screws that secure the rear of the Electronics Module.



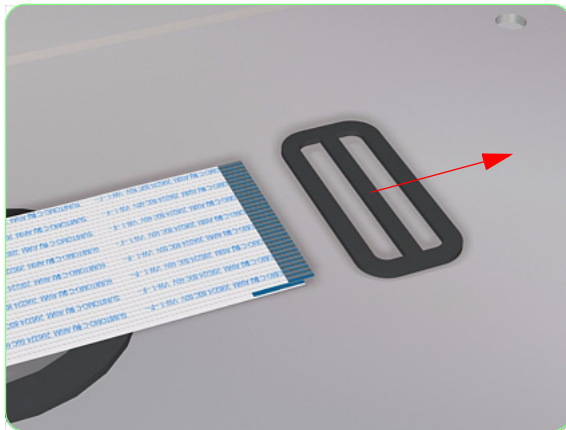
16. Open the Electronics Module.



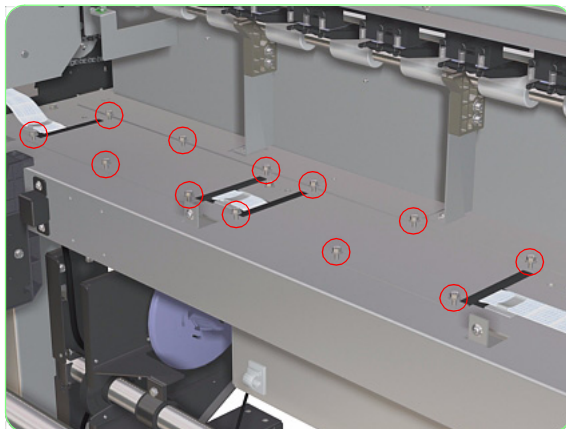
17. Disconnect the Trailing Cable from the Main PCA.



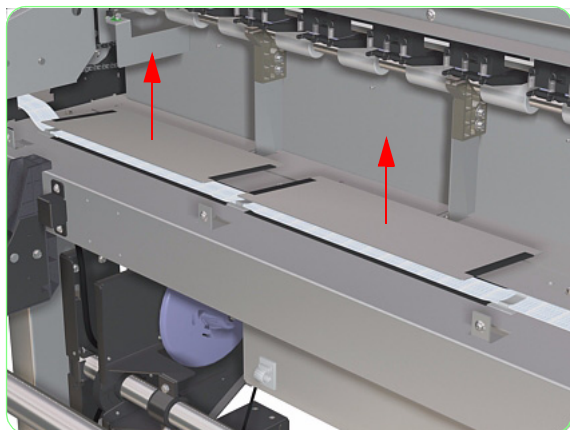
18. Pass the Trailing Cable through the square hole.



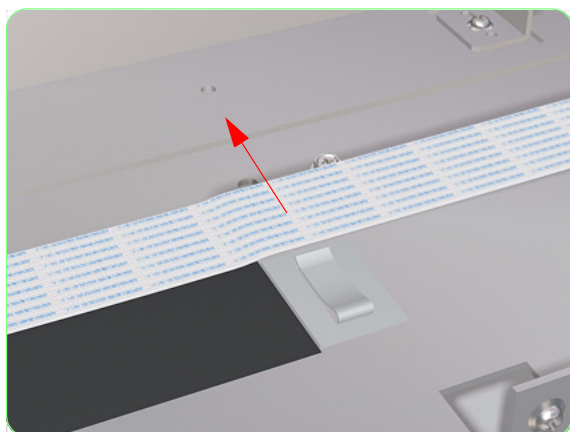
19. Remove the Black Cable Clip from the Trailing Cable.



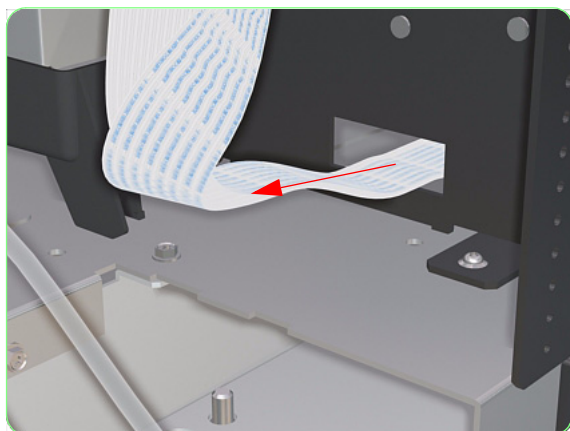
20. Remove 12 screws that secure the two Panels to the Printer.



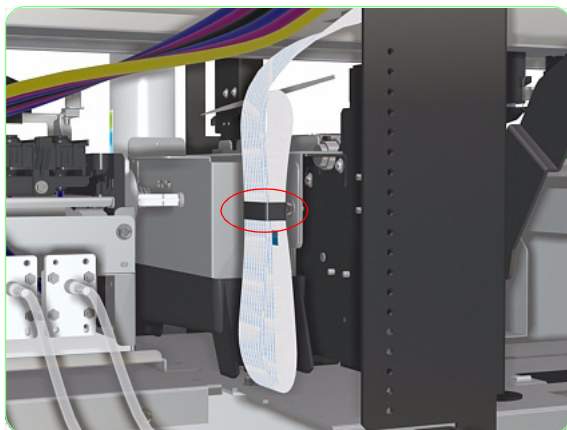
21. Remove the two Panels from the Printer.



22. Release the Trailing Cable from the three plastic clips.



23. Pass the Trailing Cable through the hole in the Printer Chassis.



- 24.** Roll up the four strips of the Trailing Cable and secure them with tape.

The two strips of the Trailing Cable that go from the Main PCA to the ISS PCA should be kept separately.



- 25.** Disconnect the Ink Tubes from the Air Dampers.

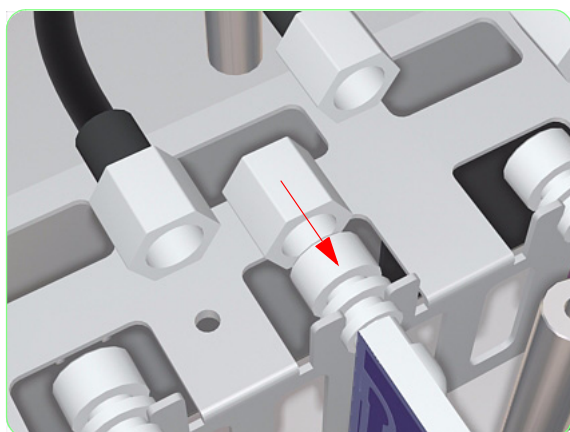


- 26.** Wait a few minutes while the ink in the Ink Tubes flows back to the Ink Cartridges. Visually inspect the Ink Tubes to make sure the ink is flowing back to the Ink Cartridges.
- 27.** Reconnect the Ink Tubes to the Air Dampers.

- 28.** Remove the Ink Supply Station ⇒ Page 8-149.



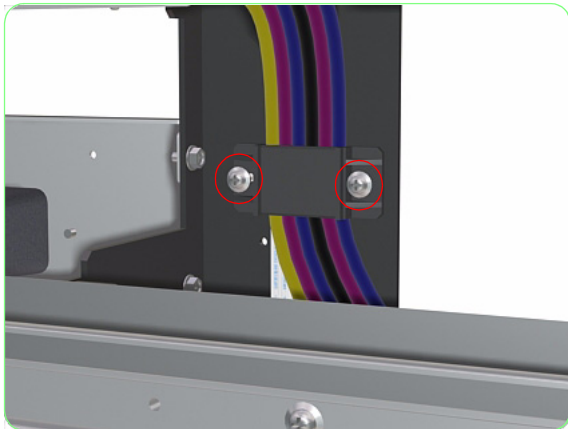
29. Disconnect the Ink Tubes from the Air Dampers.



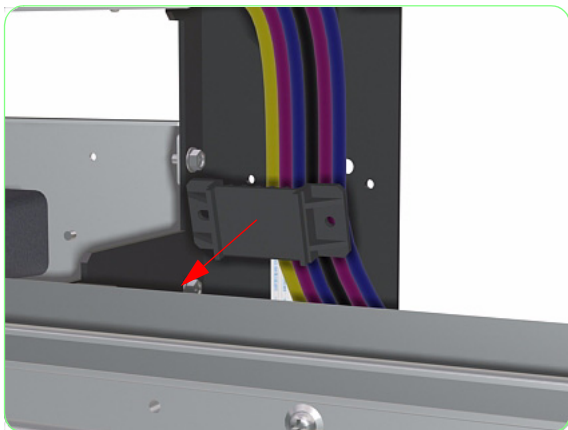
30. Use Tube Caps to seal the Air Dampers so that ink does not come out.



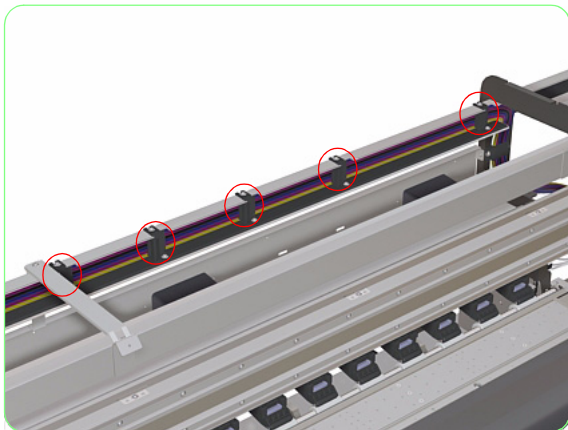
31. Use a lint-free cloth or a polyethylene bag to cover the ends of the Ink Tubes so that ink does not drip into the Printer.



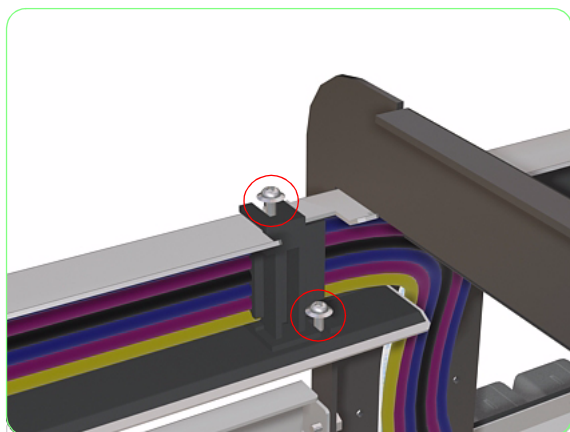
32. Remove two screws that secure the bracket to the Printer.



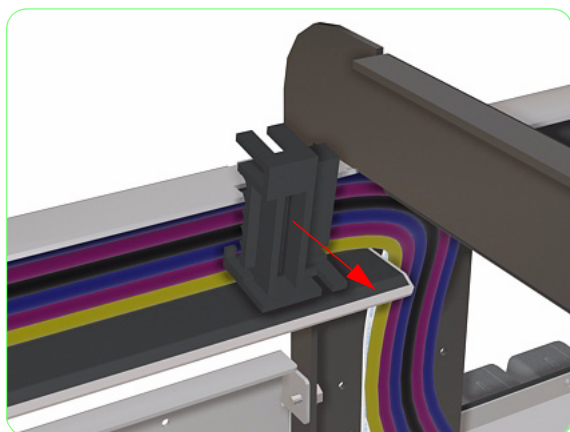
33. Remove the Bracket from the Printer.



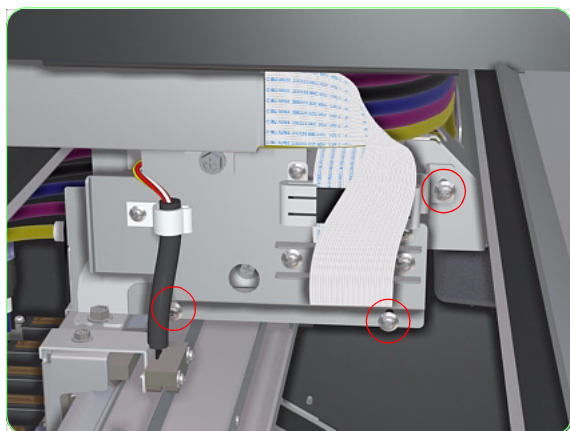
34. Locate and remove the five Tube Clamps that secure the Ink Tubes as shown in the following steps.



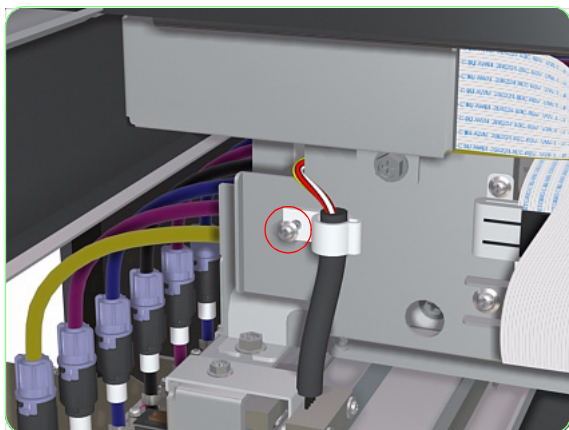
35. Remove two screws from each Tube Clamp.



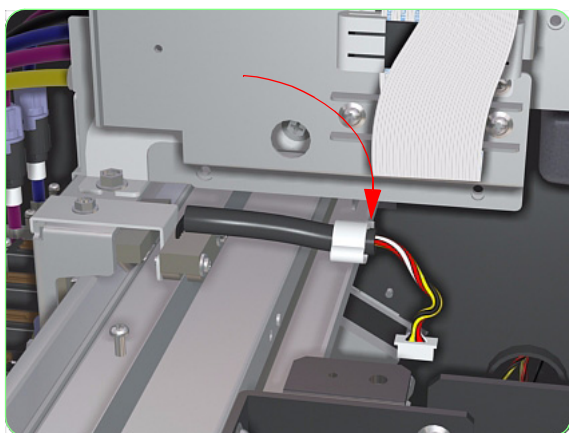
36. Remove the five Tube Clamps from the Ink Tubes.



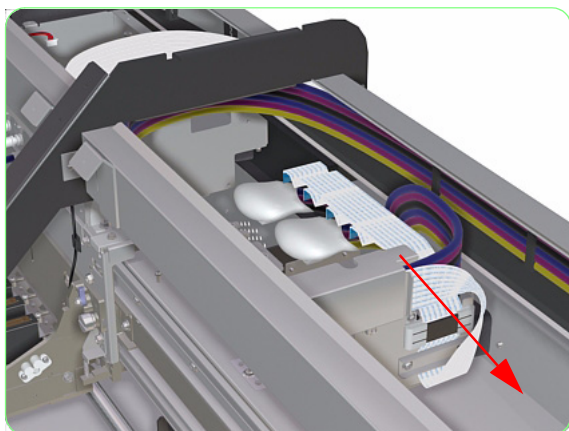
37. Remove three screws that secure the Inside Tube Support to the Carriage Assembly.



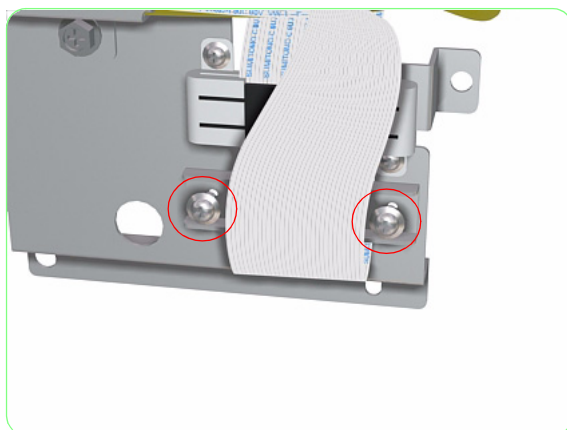
38. Remove one screw that secures the cable clamp for the Encoder Sensor.



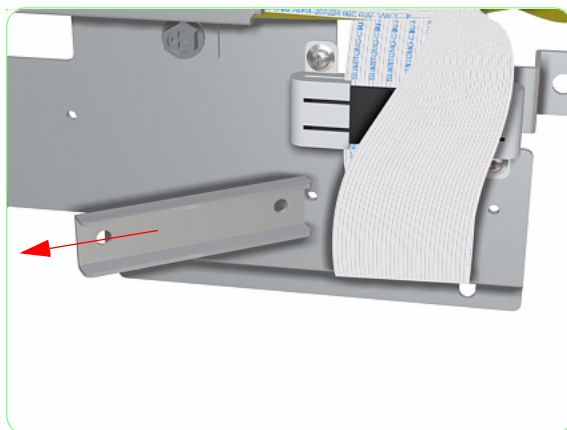
39. Lower the Encoder Sensor Cable.



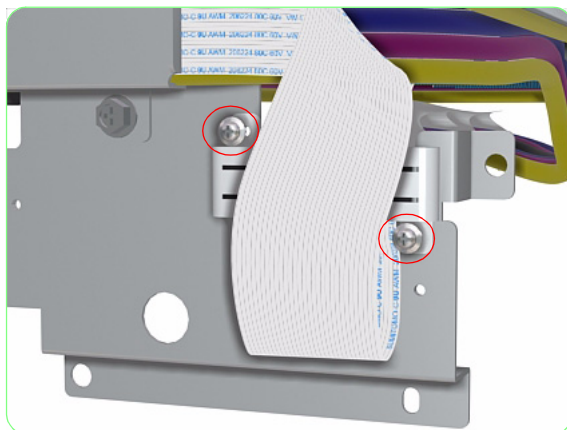
40. Release the Inside Tube Support from the Carriage Assembly and remove the Ink Tubes and Trailing Cable from the Printer.



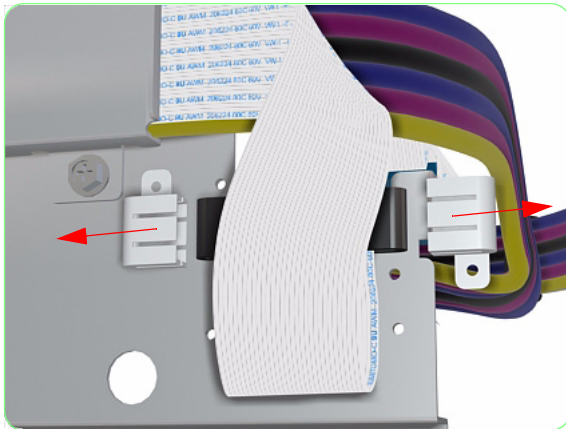
41. Remove two screws that secure the Trailing Cable Clamp.



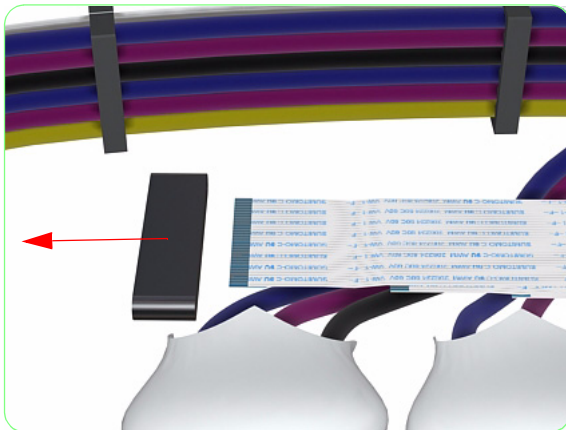
42. Remove the Trailing Cable Clamp.



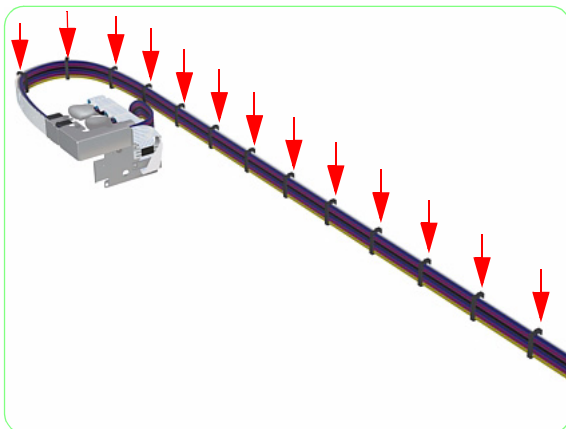
43. Remove the two screws that secure the ferrite clamps.



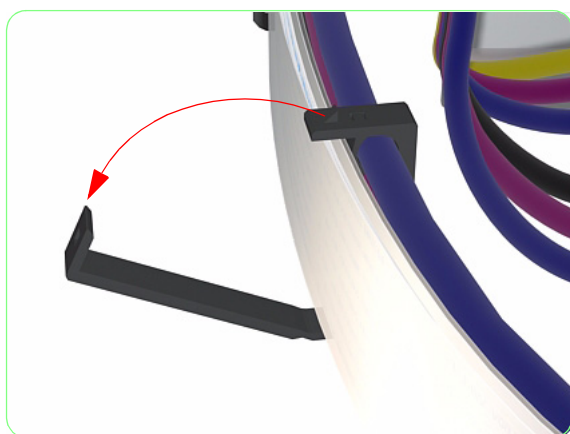
44. Remove the ferrite clamps.



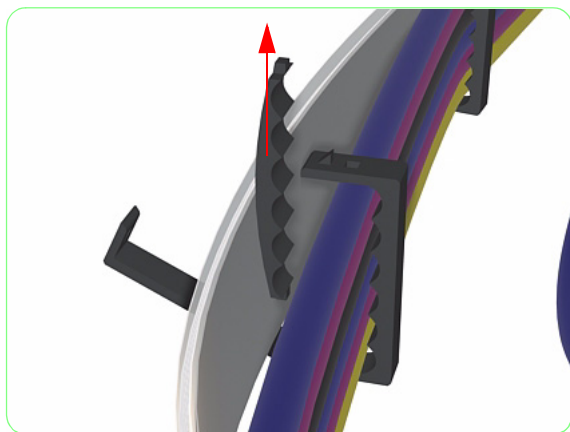
45. Remove the ferrite from the Trailing Cable.



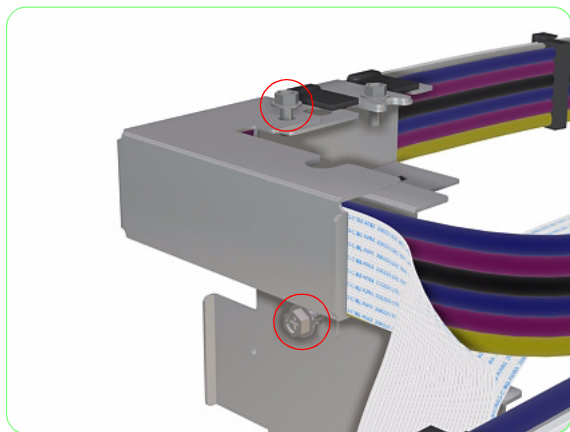
46. Locate and remove ALL the Clamps that secure the Ink Tubes and Trailing Cable together as shown in the following steps.



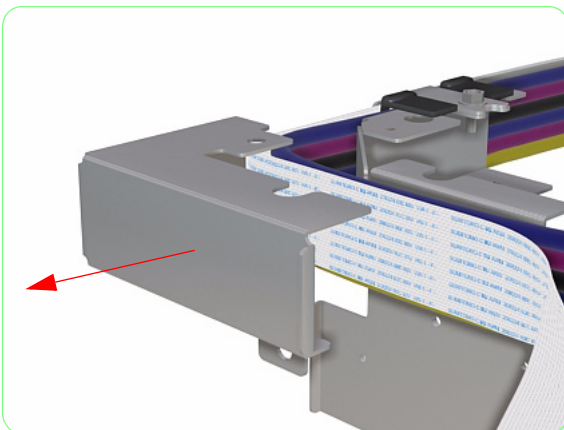
47. Unclip the Clamp from the Ink Tubes and Trailing Cable.



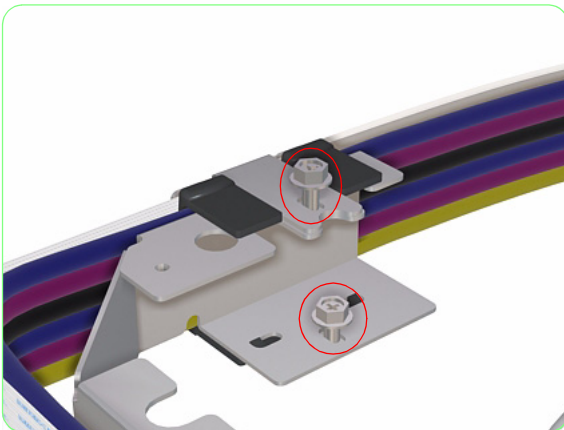
48. Remove the center strip from the clamp.



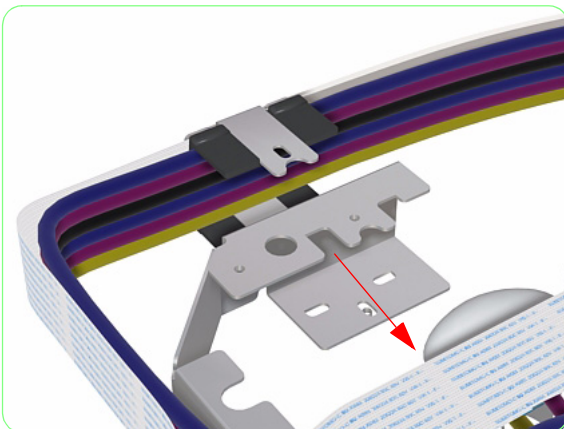
49. Remove two screws that secure the Outside Tube Support.



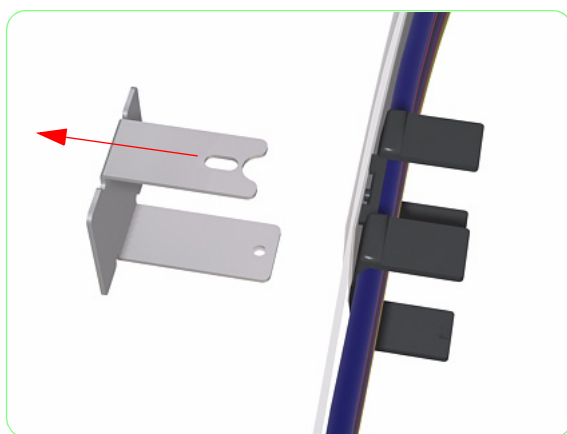
50. Remove the Outside Tube Support.



51. Remove two screws that secure the metal bracket.



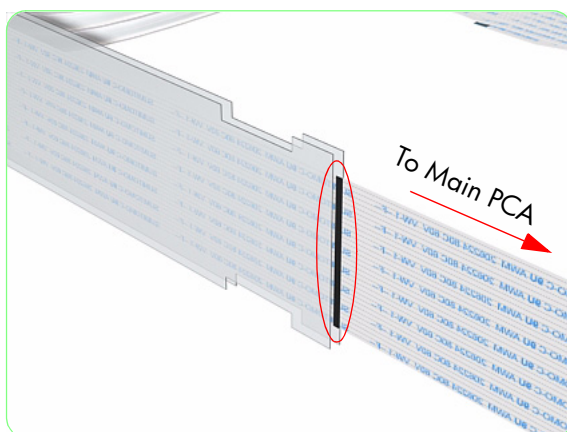
52. Remove the metal bracket.



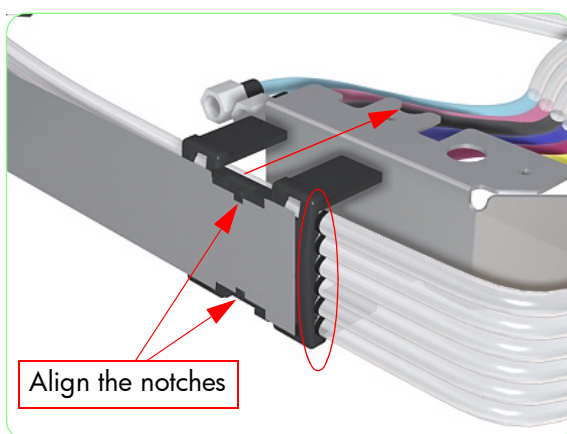
- 53.** Release the metal bracket and separate the Trailing Cable from the Ink Tubes.

Installation

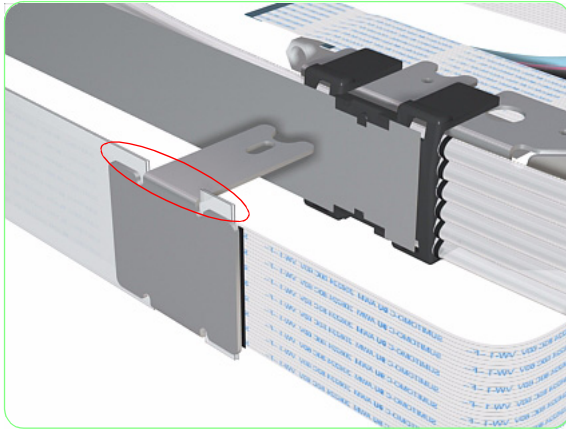
To install a **new** Trailing Cable or Ink Supply Station, follow the previous steps in the reverse order. Only in certain steps will you need to take care of the following when installing a **new** Trailing Cable or Ink Supply Tubes.



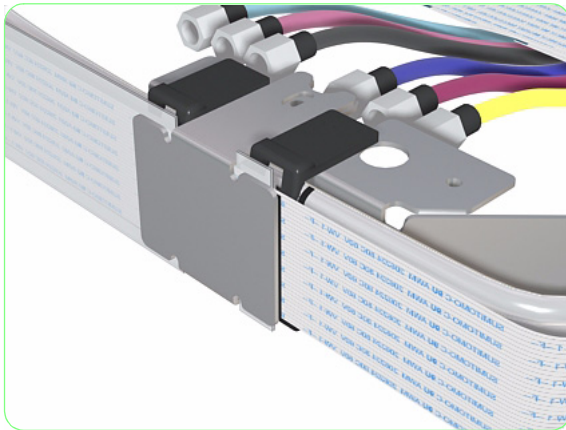
- 1.** Align ALL the cables together using the line marked on each one. Also, align one plastic strip on either side of the Trailing Cable.



- 2.** Align the line on the Ink Supply Tubes with the Black Plastic Clamp and the Metal Strip. Place the Ink Supply Tubes against the Metal Bracket.



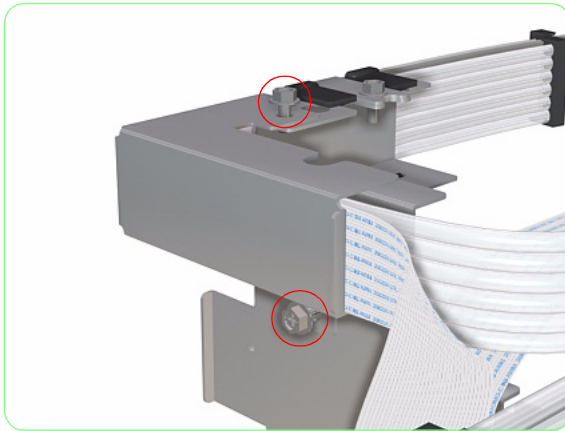
- 3.** Place the Metal Bracket onto the Trailing Cable, making sure it slots into the cutout in the plastic strips.



- 4.** Place the Trailing Cable over the Ink Supply Tubes (as shown).



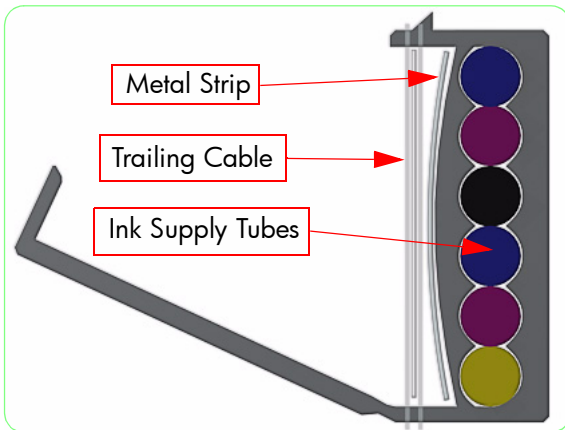
- 5.** Secure the Metal Bracket with two screws.



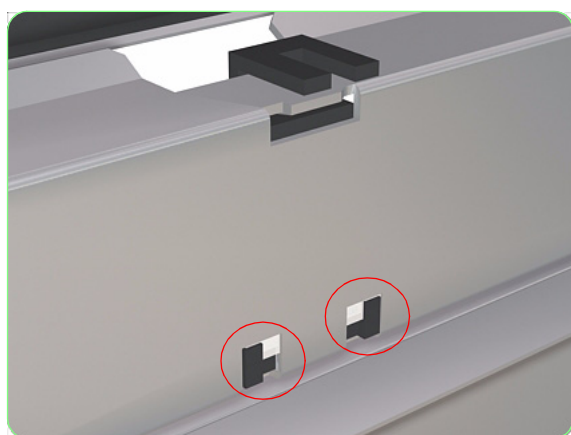
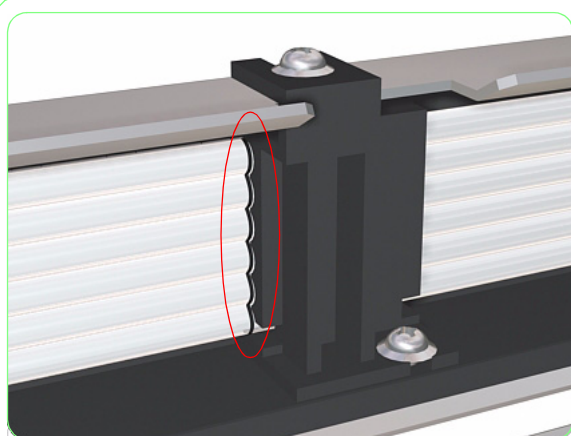
6. Install the Outside Tube Support and secure with two screws.



7. Insert the center strip and install the clamps along the length of the Trailing Cable and Ink Supply Tubes (should be installed where there is a cutout in the plastic strip that sandwiches the Trailing Cable).



8. Make sure the Trailing Cable and the Ink Supply Tubes are correctly clamped (as shown in this cross-section).



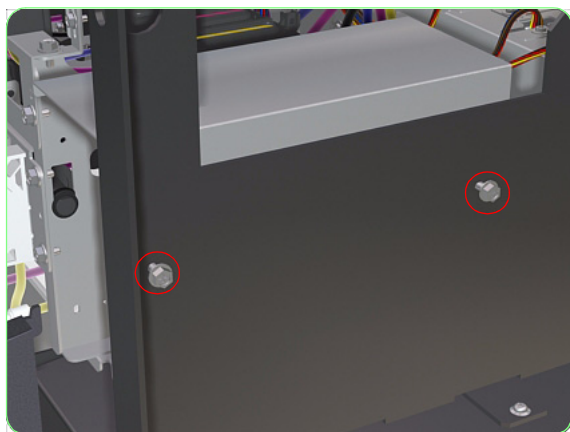
9. When installing the Trailing cable and Ink Supply Tubes back into the Printer, use the line on the Ink Supply Tubes as a reference to align it with the **second** Tube Clamp.
10. When installing the Tube Clamps, make sure that they are clipped correctly from the rear and do not pinch the Trailing Cable.
11. The rest of the procedure for the installation of the Trailing Cable and Ink Supply Tubes should be in the reverse order of the removal procedure.
12. Once the Trailing Cable and Ink Supply Tubes have been correctly installed you should manually move the Carriage along the width of the Printer several times and make sure that it moves smoothly with no obstructions.
13. Power On the Printer.
14. Charge the Ink Supply Tubes with ink (PH Main \ Ink System Opt \ Charge Ink Sys).

Capping Station

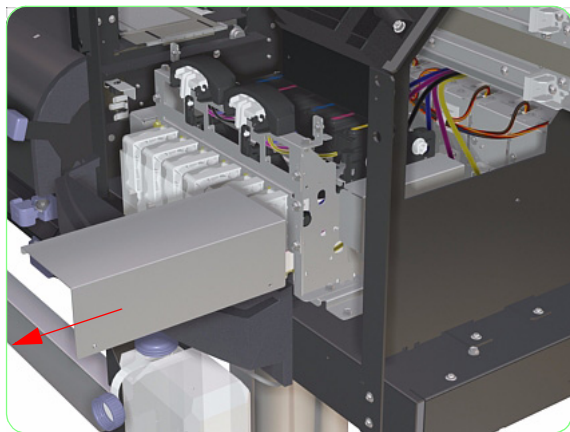
Removal

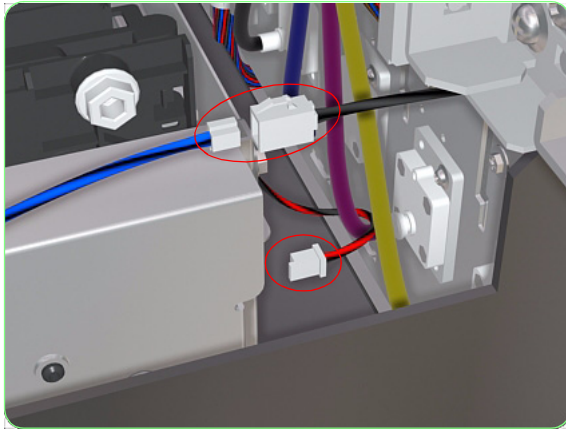
Switch off the product and remove the power cable.

1. Remove the Window ⇒ Page 8-3.
2. Remove the Right Door ⇒ Page 8-5.
3. Remove the Right Trim ⇒ Page 8-7.
4. Remove the Right Side Cover ⇒ Page 8-12.
5. Remove the Maintenance Kit Drawer and Cover ⇒ Page 8-18.
6. Remove two screws that secure the Capping Station Cover.

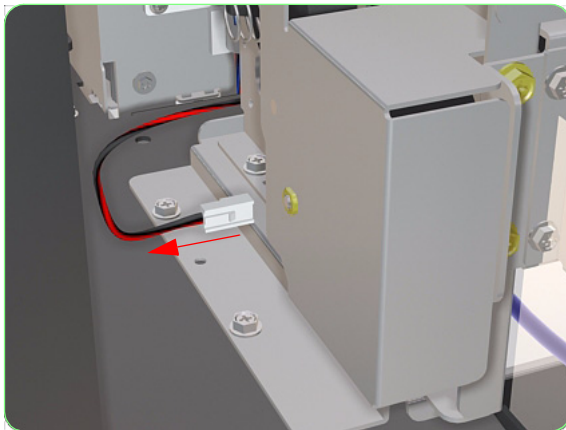


7. Remove the Capping Station Cover.

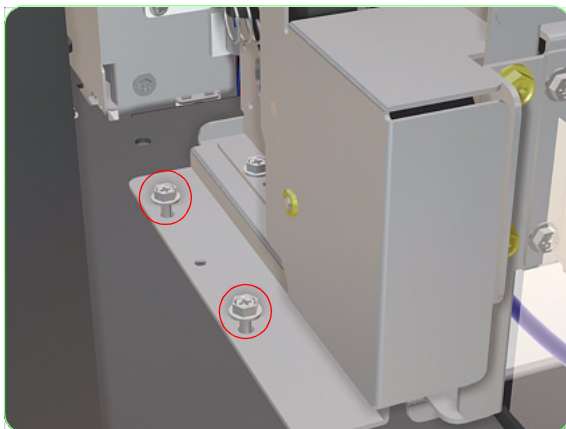




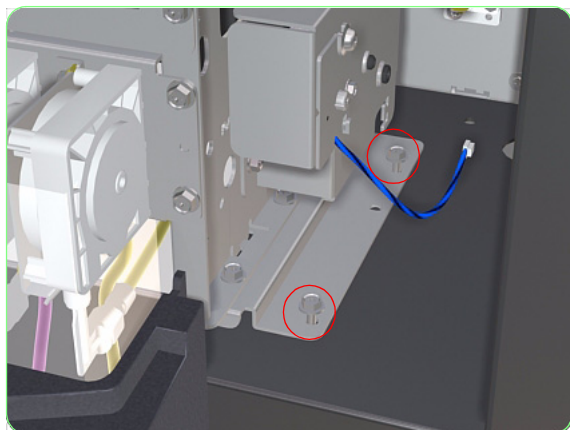
- 8.** Disconnect the Capping Switch Cable and the Capping Station Lever Cable.



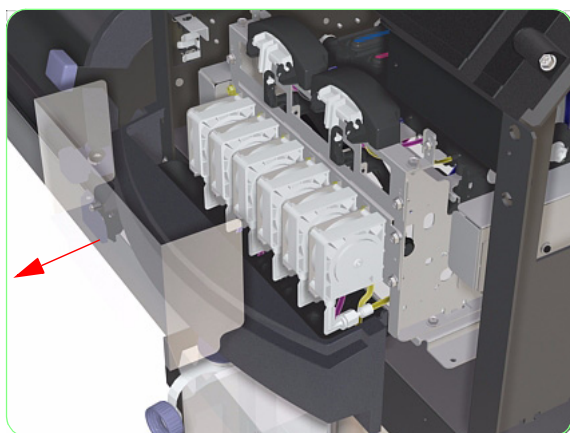
- 9.** Disconnect the Capping Motor Cable.



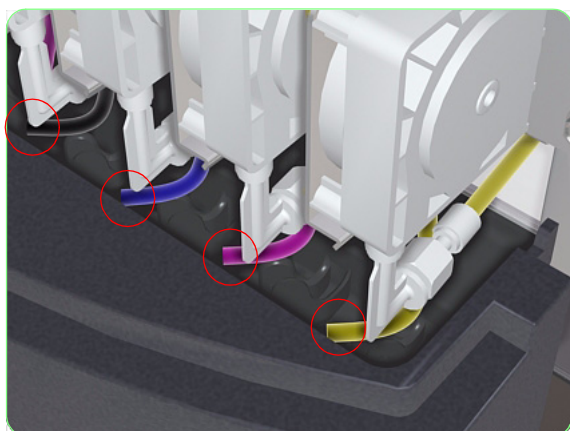
- 10.** Remove two screws that secure the left side of the Capping Station to the Printer.



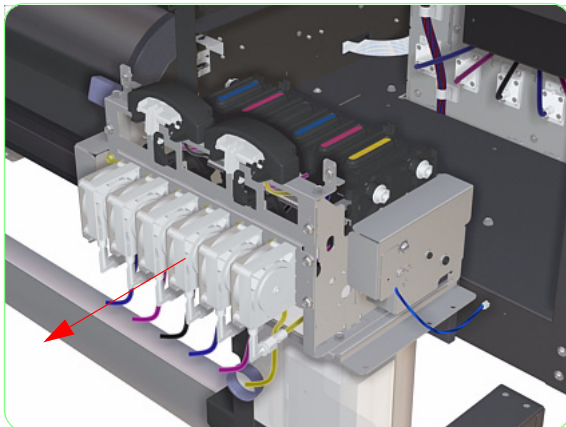
- 11.** Remove two screws that secure the right side of the Capping Station to the Printer.



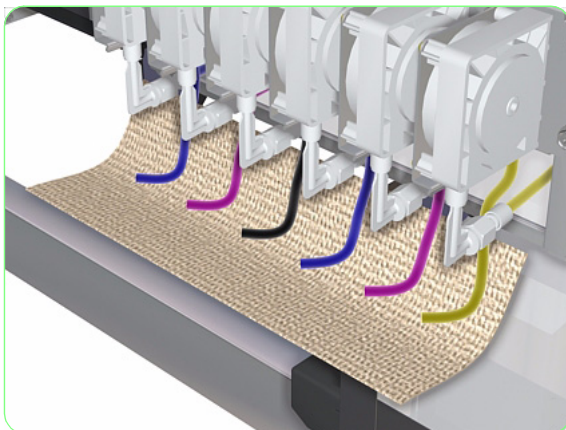
- 12.** Remove the Capping Station Protective Cover.



- 13.** Disconnect all the Waste Ink Tubes from the Waste Ink Drainage Assembly.



14. Remove the Capping Station from the front of the Printer.



15. Place some paper underneath the disconnected ink tubes to catch any residual ink spillage.

Once the Capping Station Assembly has been installed correctly, you must perform the following calibrations/adjustment:

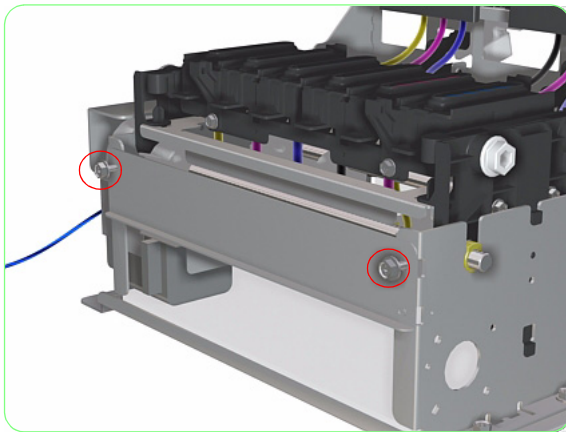
- **Capping Position Calibration** ⇒ Page 5-18.
- **Vertical Capping Position Calibration** ⇒ Page 5-15.
- **Printhead Capping Limit Adjustment** ⇒ Page 5-14.

Capping Station Motor

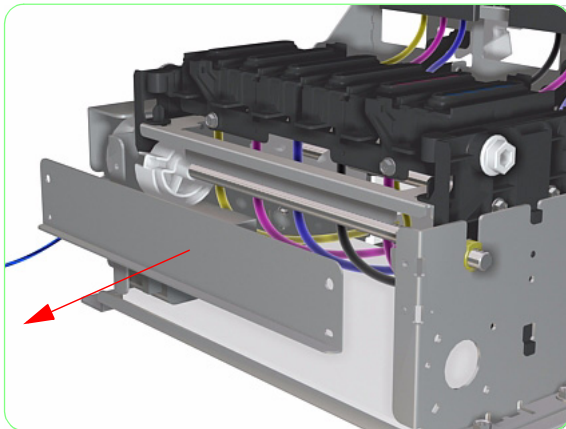
Removal

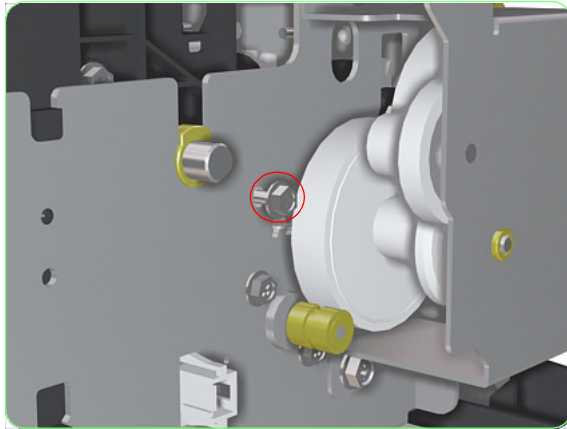
Switch off the product and remove the power cable.

1. Remove the Window ⇒ Page 8-3.
2. Remove the Right Door ⇒ Page 8-5.
3. Remove the Right Trim ⇒ Page 8-7.
4. Remove the Right Side Cover ⇒ Page 8-12.
5. Remove the Maintenance Kit Drawer and Cover ⇒ Page 8-18.
6. Remove the Capping Station ⇒ Page 8-119.
7. Remove two screws that secure the Capping Station Plate from the rear of the Capping Station.

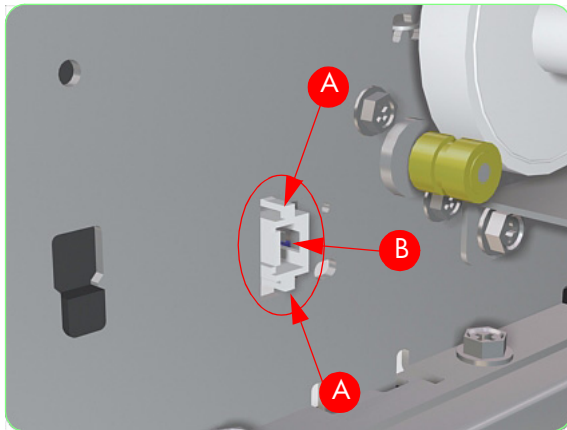


8. Remove the Capping Station Plate.

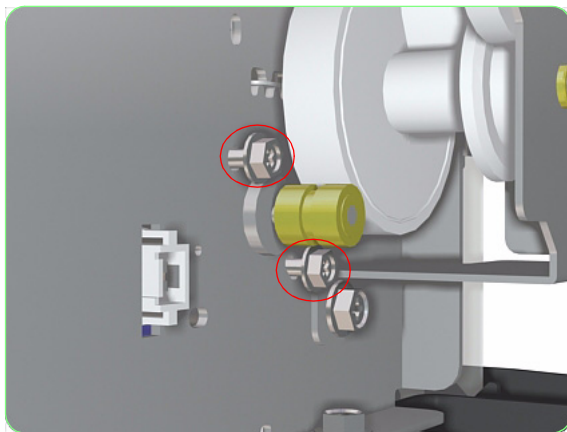




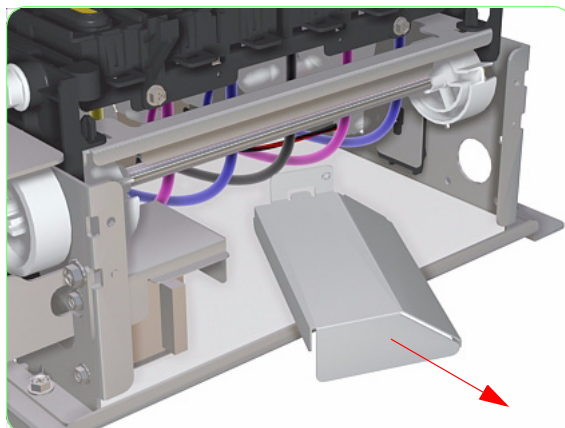
- 9.** Remove one screw from the left side of the Capping Station.



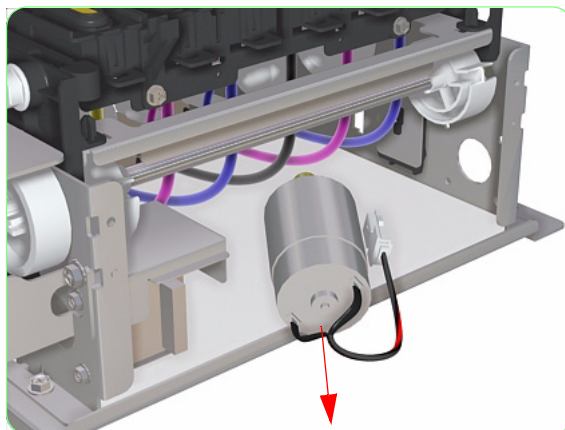
- 10.** Push on both sides of the Capping station Motor Connector (A) and push through the hole in the side of the Capping Station (B).



- 11.** Remove two screws that secure the left side of the Capping Station Motor Cover.



12. Remove the Capping Station Motor Cover.



13. Remove the Capping Station Motor from the Printer.

Once the Capping Station Motor has been installed correctly, you must perform the following calibrations/adjustment:

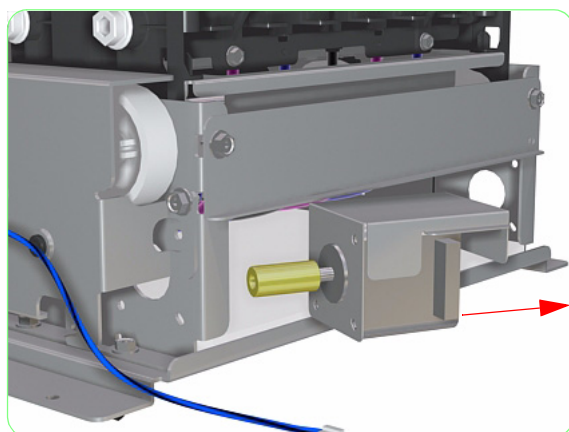
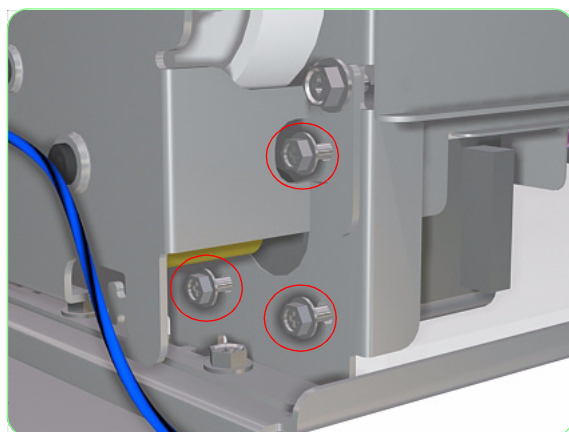
- **Capping Position Calibration** ⇒ Page 5-18.
- **Vertical Capping Position Calibration** ⇒ Page 5-15.
- **Printhead Capping Limit Adjustment** ⇒ Page 5-14.

Cap Motor Assembly

Removal

Switch off the product and remove the power cable.

1. Remove the Window ⇒ Page 8-3.
2. Remove the Right Door ⇒ Page 8-5.
3. Remove the Right Trim ⇒ Page 8-7.
4. Remove the Right Side Cover ⇒ Page 8-12.
5. Remove the Maintenance Kit Drawer and Cover ⇒ Page 8-18.
6. Remove the Capping Station ⇒ Page 8-119.
7. Remove three screws that secure the Cap Motor Assembly.



8. Remove the Cap Motor Assembly.

Once the Cap Motor Assembly has been installed correctly, you must perform the following calibrations/adjustment:

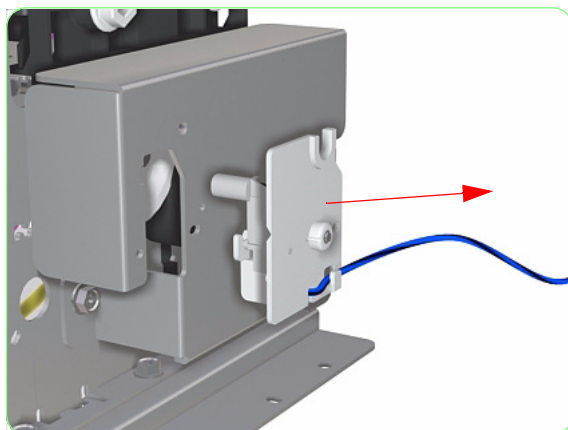
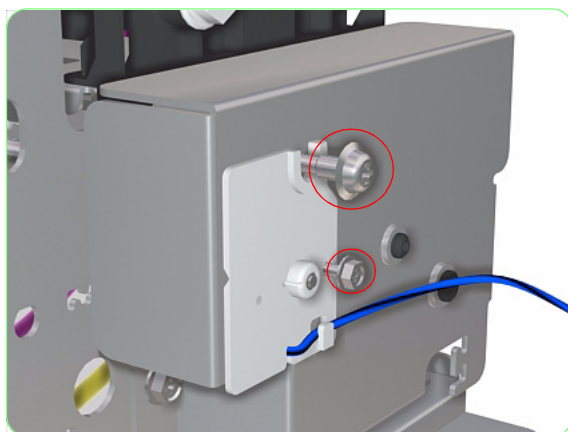
- **Capping Position Calibration ⇒ Page 5-18.**
- **Vertical Capping Position Calibration ⇒ Page 5-15.**
- **Printhead Capping Limit Adjustment ⇒ Page 5-14.**

Capping Station Lever

Removal

Switch off the product and remove the power cable.

1. Remove the Window ⇒ Page 8-3.
2. Remove the Right Door ⇒ Page 8-5.
3. Remove the Right Trim ⇒ Page 8-7.
4. Remove the Right Side Cover ⇒ Page 8-12.
5. Remove the Maintenance Kit Drawer and Cover ⇒ Page 8-18.
6. Remove the Capping Station ⇒ Page 8-119.
7. Remove two screws that secure the Capping Station Lever.



8. Remove the Capping Station Lever.

Before you re-install the Capping Station Lever, make sure that the Capping Units are raised (in the upper position). If you try to install the Capping Station Lever when the Capping Units are lowered, it could cause damage to the Lever.

Once the Capping Station Lever has been installed correctly, you must perform the following calibrations/adjustment:

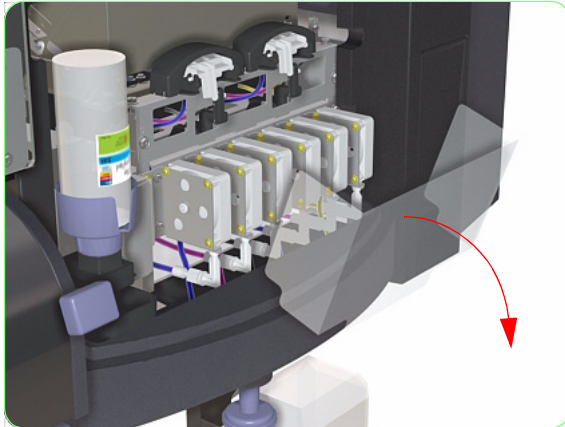
- Capping Position Calibration ⇒ Page 5-18.
- Vertical Capping Position Calibration ⇒ Page 5-15.
- Printhead Capping Limit Adjustment ⇒ Page 5-14.

Prime Assembly

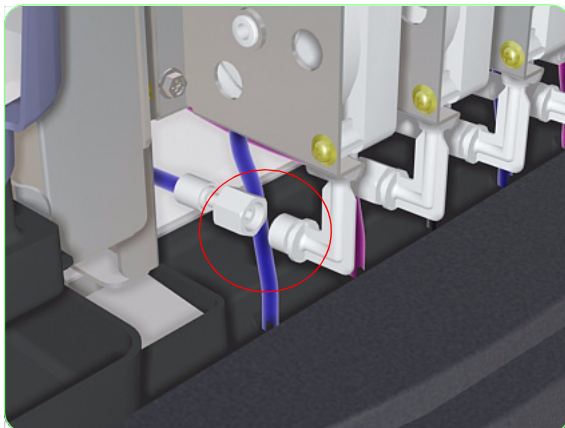
Removal

Switch off the product and remove the power cable.

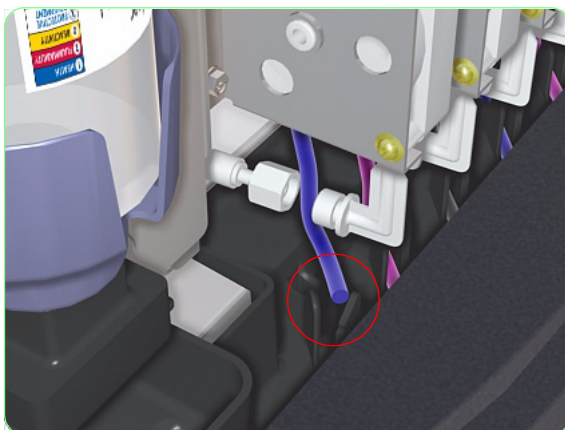
1. Open the Window and the Right Door.
2. Remove the Capping Station Protective Cover.

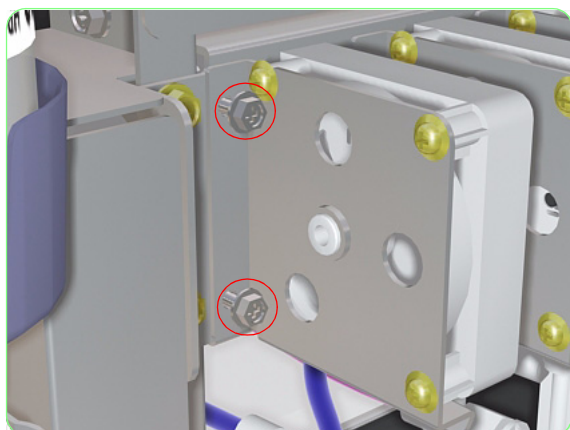


3. Disconnect the Ink Tube of the Prime Assembly that you need to remove.

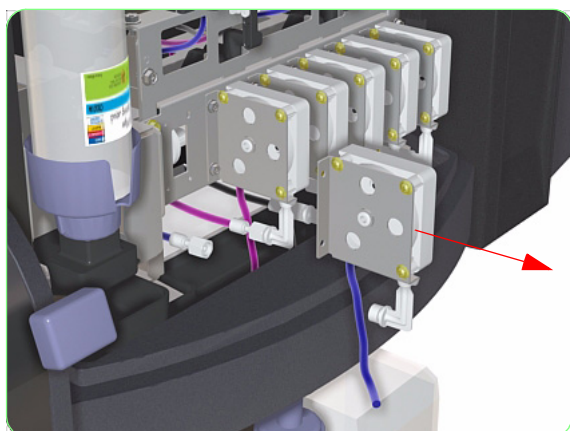


4. Disconnect the Waste Ink Tube from the Waste Ink Collection Tray.





5. Remove two screws that secure the Prime Assembly to the Capping Station.



6. Remove the Prime Assembly from the Capping Station.

Once you have replaced the Prime Assembly, make sure you reset the Prime Assembly Counter (for more information, refer to Page 4-41).

Capping Unit

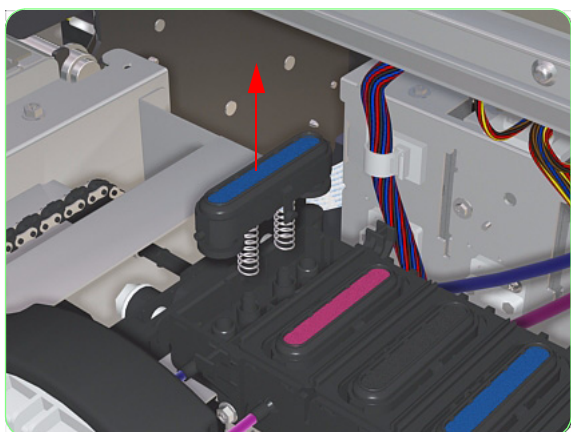
Removal

Switch off the product and remove the power cable.

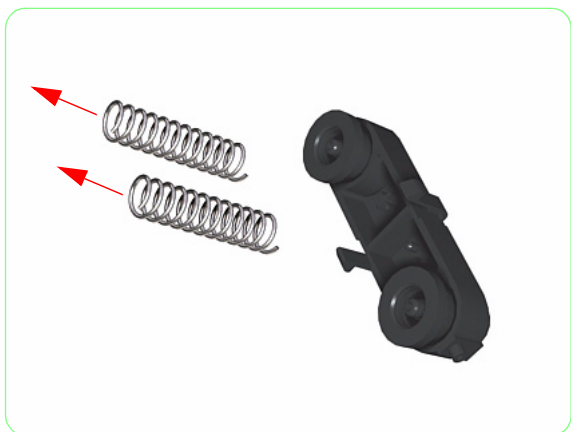
1. Open the Window and the Right Door.
2. Lift up the Cap Cover by releasing a catch at the rear.



3. Remove the Capping Unit.



4. Remove two springs from the Capping Unit.



Once the Capping Unit has been installed correctly, you must perform the Capping Position Calibration (for more information, refer to Page 5-18).

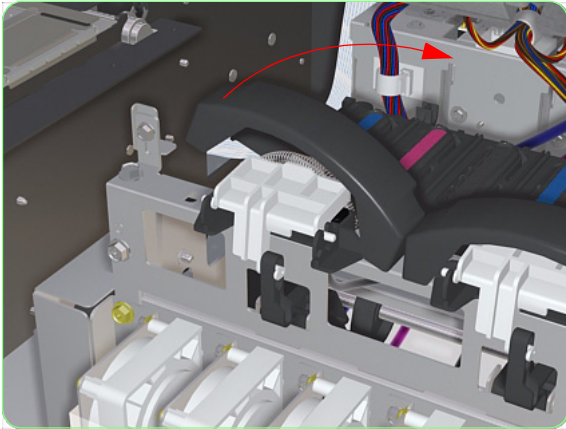
Also, once you have replaced the Capping Unit, make sure you reset the Capping Unit Counter (for more information, refer to Page 4-42).

Valve Assembly

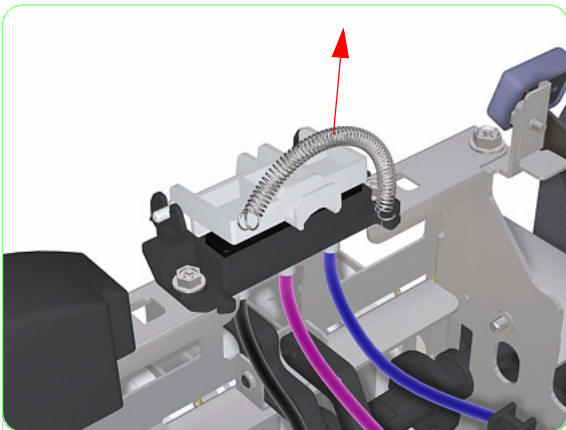
Removal

Switch off the product and remove the power cable.

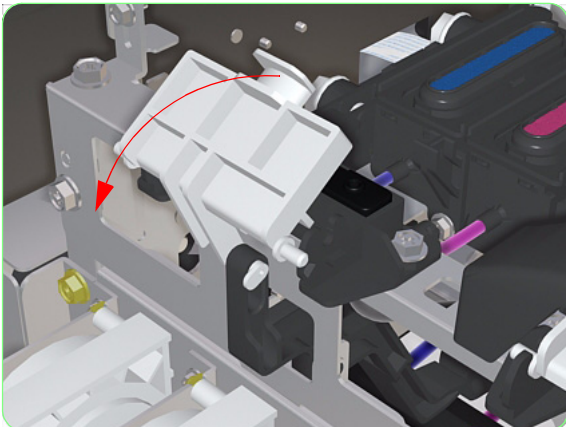
1. Open the Window and the Right Door.
2. Release a catch on left side of the Valve Cover and remove the cover.

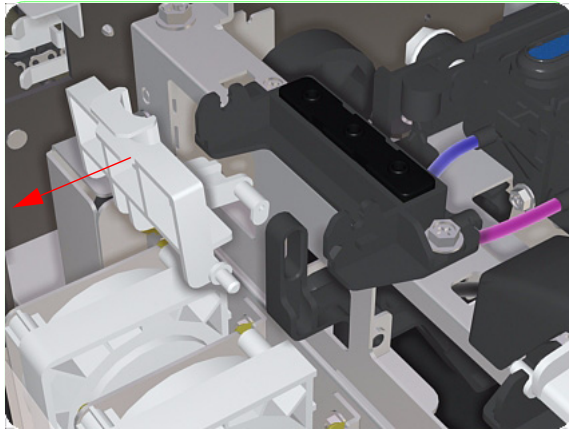


3. Remove the Valve Spring.

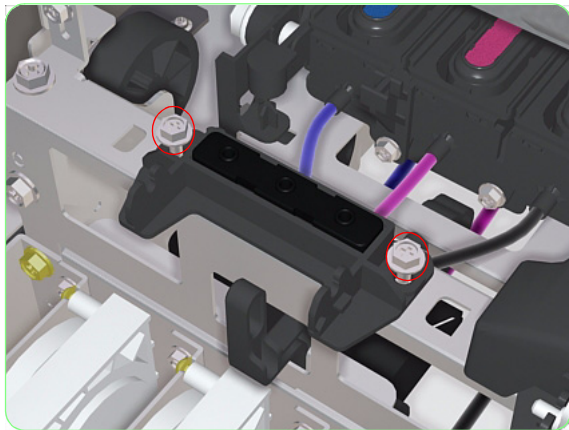


4. Open the Valve Plate.

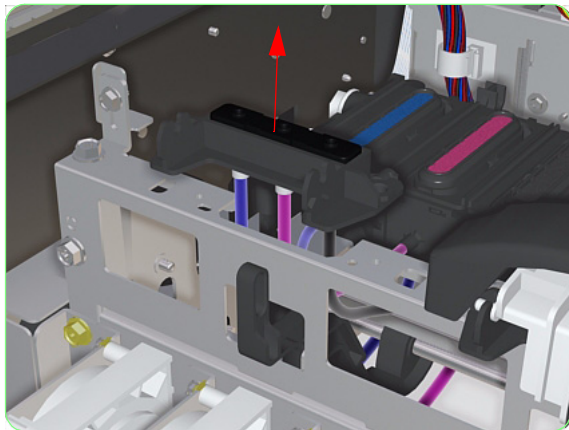




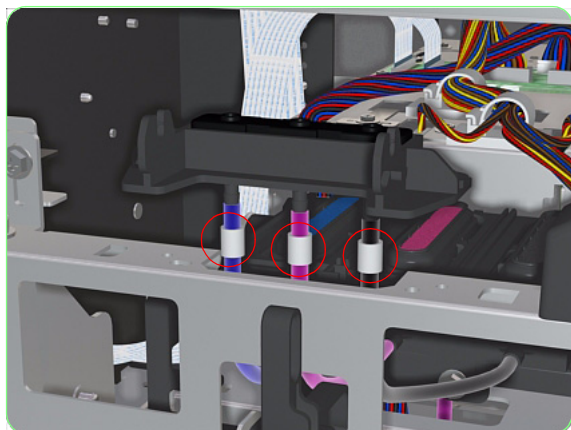
- 5.** Remove the Valve Plate from the Valve Assembly.



- 6.** Remove two screws that secure the Valve Assembly.



- 7.** Lift up the Valve Assembly.



- 8.** Pull down the three plastic collars that secure the tubes to the Valve Assembly.



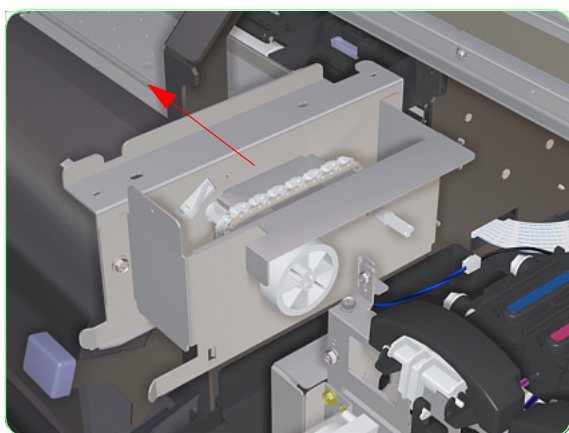
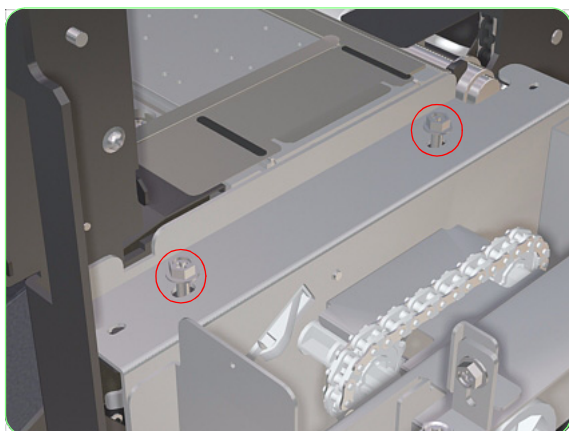
- 9.** Remove the Valve Assembly from the Printer.

Wiping Station

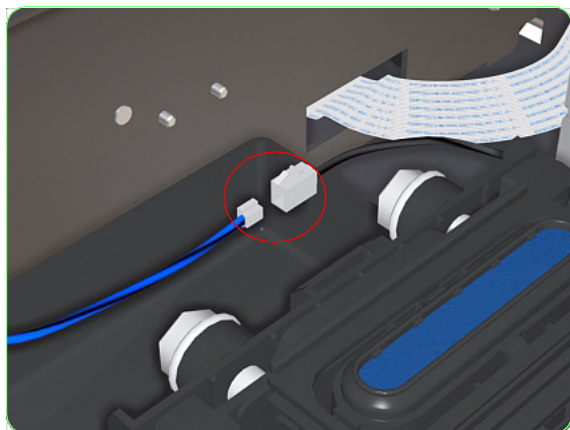
Removal

Switch off the product and remove the power cable.

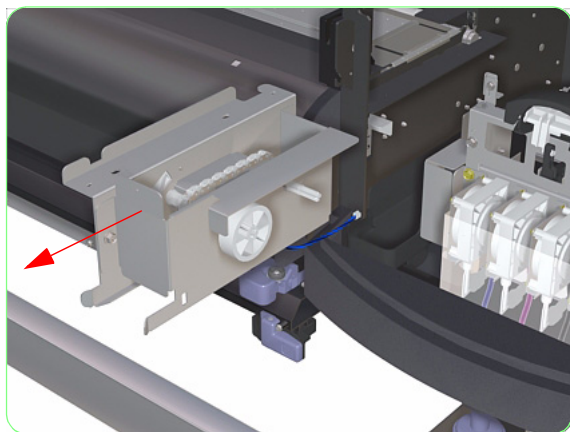
1. Using the Front Panel menu, move the Carriage to the Maintenance Area (on the left hand side of the Printer).
2. Open the Window and the Right Door.
3. Remove the Wiper Case ⇒ Page 8-136.
4. Remove two screws that secure the Wiping Station.



5. Lift the Wiping Station slightly out of the Printer.



6. Disconnect the Wiping Station Cable.



7. Remove the Wiping Station from the Printer.

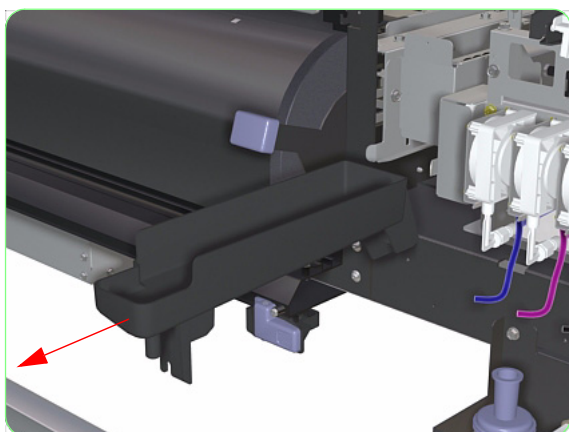
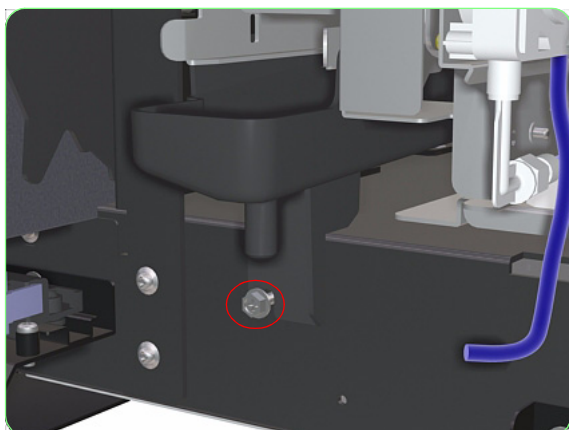
Once the Wiping Station Assembly has been installed correctly, you must perform the Wiping Station Height Adjustment. For further information, refer to Page 5-16.

Wiper Case

Removal

Switch off the product and remove the power cable.

1. Using the Front Panel menu, move the Carriage to the Maintenance Area (on the left hand side of the Printer).
2. Open the Window and the Right Door.
3. Remove the Wiper Cleaning Assembly ⇒ Page 8-137.
4. Remove the Waste Drainage Assembly ⇒ Page 8-157.
5. Remove one screw that secures the Wiper Case to the Printer.



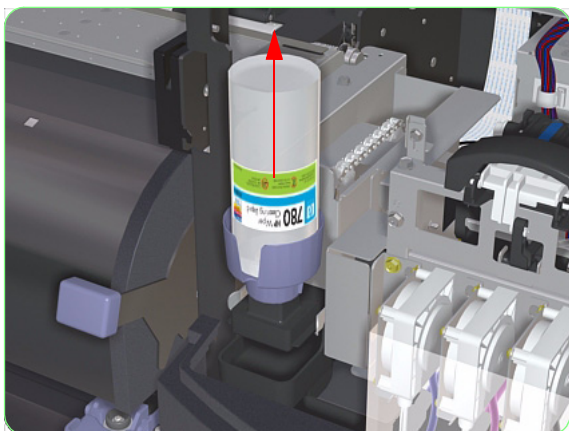
6. Remove the Wiper Case from the Printer.

Wiper Cleaning Assembly

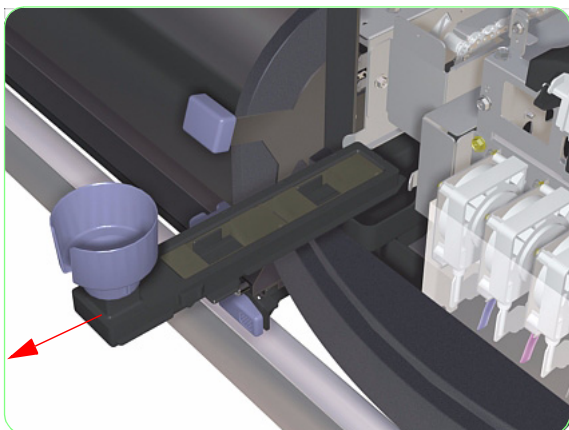
Removal

Switch off the product and remove the power cable.

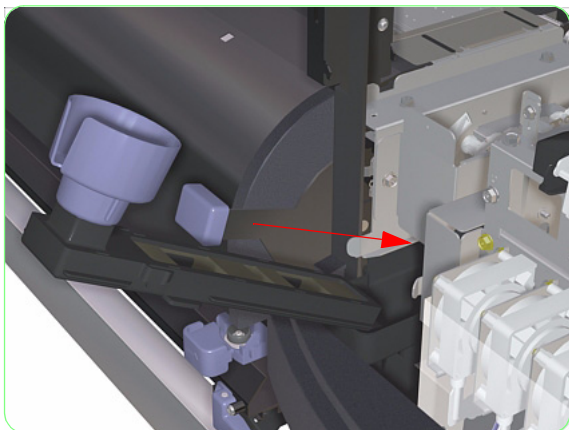
1. Open the Window and the Right Door.
2. Remove the Wiping Liquid Bottle from the Wiping Liquid Holder.



3. Pull out the Wiper Cleaning Assembly but do **not** remove completely.



4. Tilt the Wiper Cleaning Assembly to empty any excess liquid into the drainage tray.

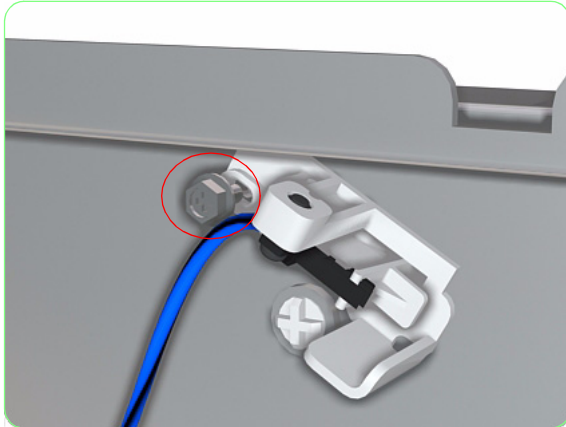


Wiper Blade Position Sensor

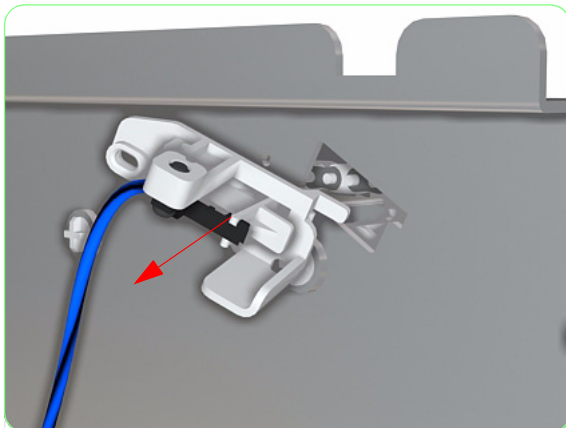
Removal

Switch off the product and remove the power cable.

1. Remove the Wiping Station ⇒ Page 8-134
2. Remove one screw that secures the Wiper Blade Position Sensor.



3. Remove the Wiper Blade Position Sensor.

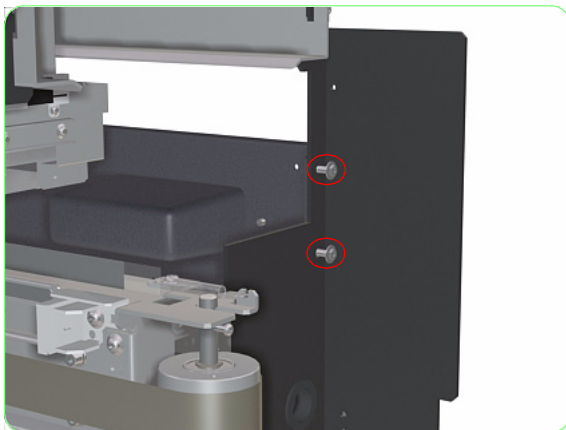


Ink Supply Station PCA

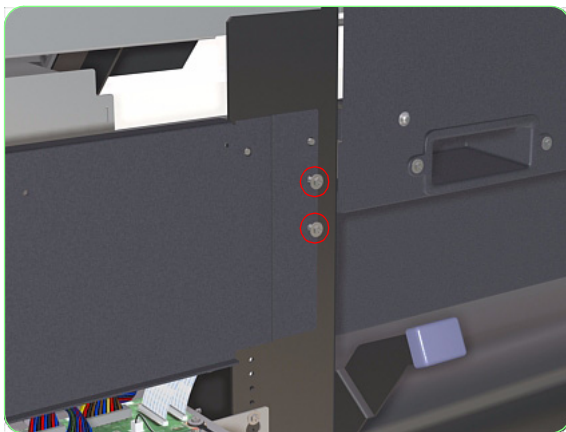
Removal

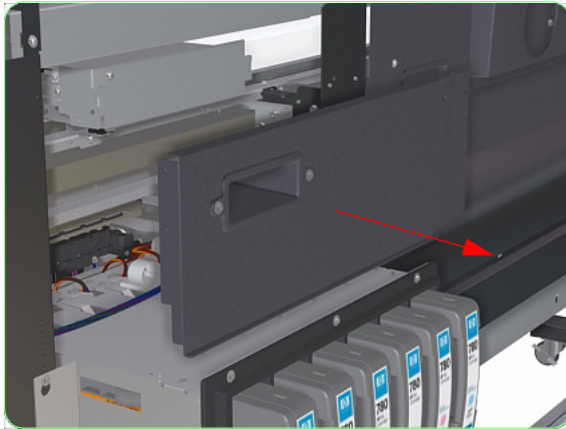
Switch off the product and remove the power cable.

1. Remove the Window ⇒ Page 8-3.
2. Remove the Right Door ⇒ Page 8-5.
3. Remove the Right Top Cover ⇒ Page 8-9.
4. Remove the Right Side Cover ⇒ Page 8-11.
5. Remove the Ink Cartridge Bay Cover ⇒ Page 8-20.
6. Remove two screws from the side that secure the Right Back Cover to the Printer.

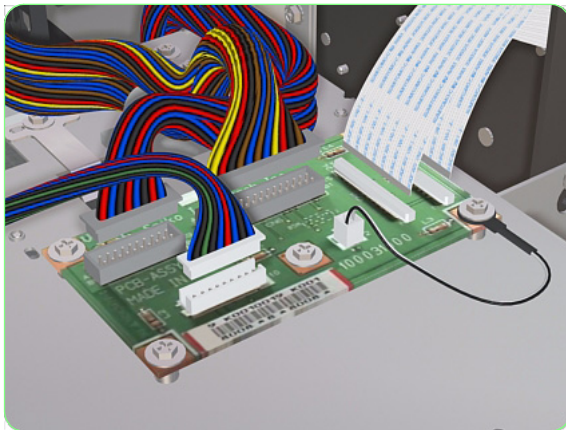


7. Remove two screws from the rear that secure the Right Back Cover to the Printer.

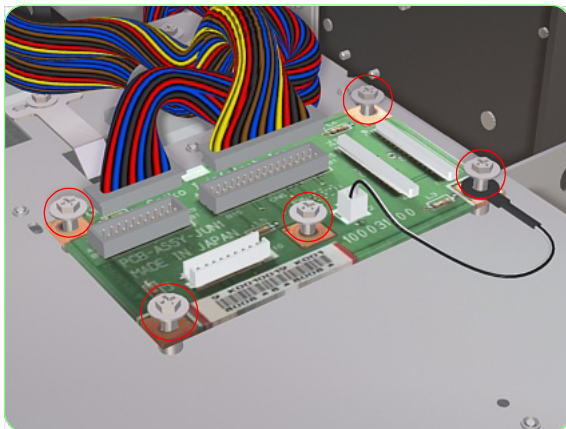




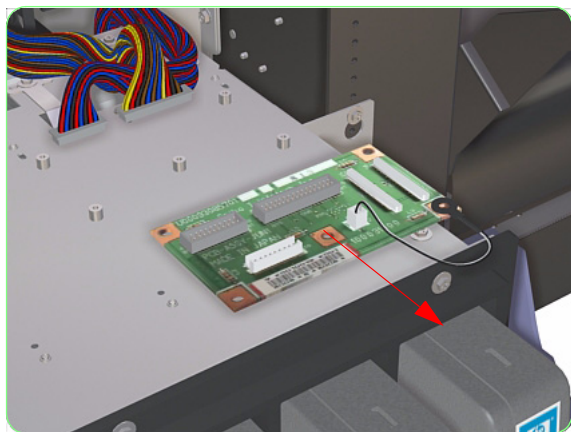
- 8.** Remove the Right Back Cover from the Printer.



- 9.** Disconnect ALL the cables from the ISS PCA.



- 10.** Remove five screws that secure the ISS PCA to the Printer.



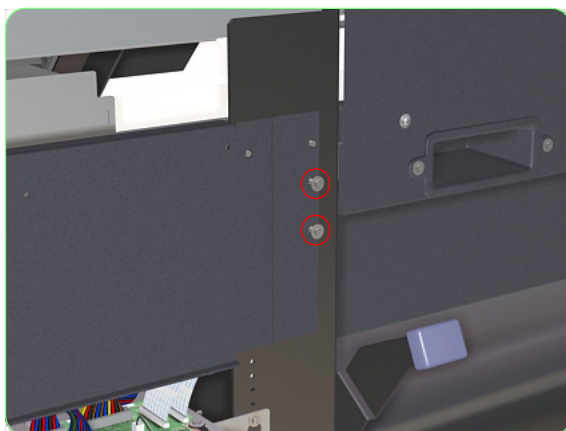
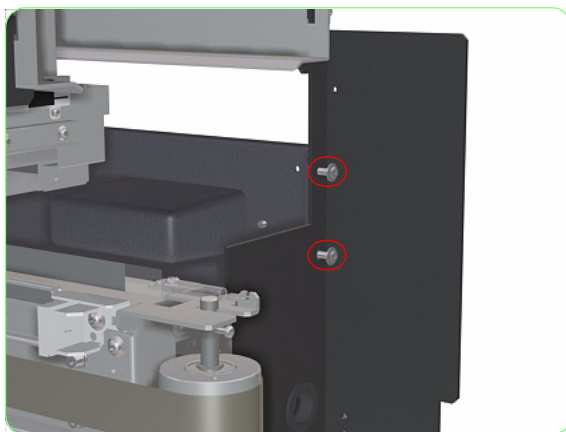
11. Remove the ISS PCA from the Printer.

Cartridge Sensor

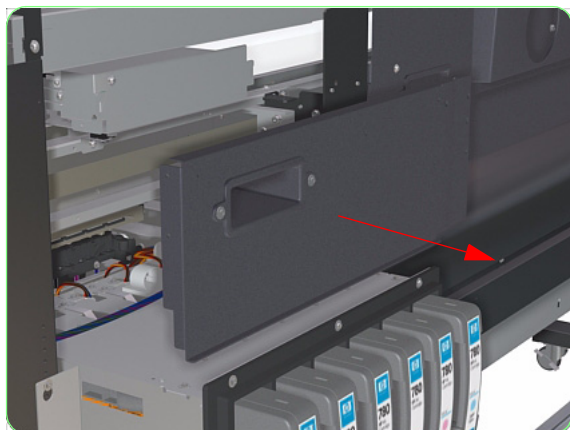
Removal

Switch off the product and remove the power cable.

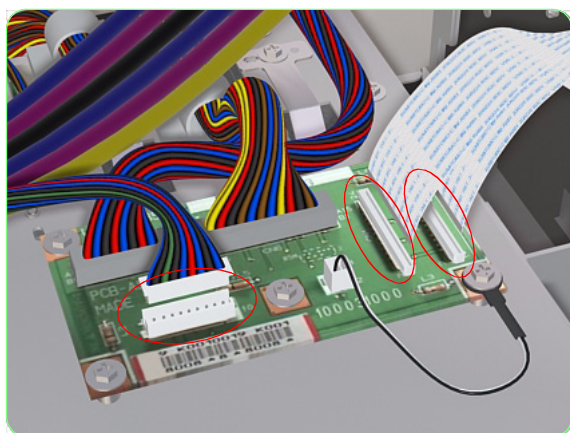
1. Remove the Window ⇒ Page 8-3.
2. Remove the Right Door ⇒ Page 8-5.
3. Remove the Right Top Cover ⇒ Page 8-9.
4. Remove the Right Side Cover ⇒ Page 8-11.
5. Remove the Ink Cartridge Bay Cover ⇒ Page 8-20.
6. Remove two screws from the side that secure the Right Back Cover to the Printer.



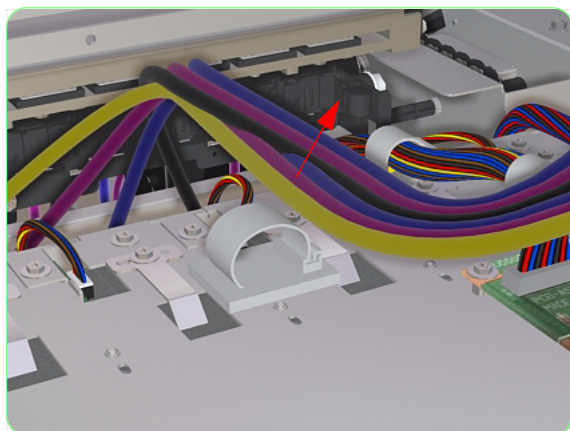
7. Remove two screws from the rear that secure the Right Back Cover to the Printer.



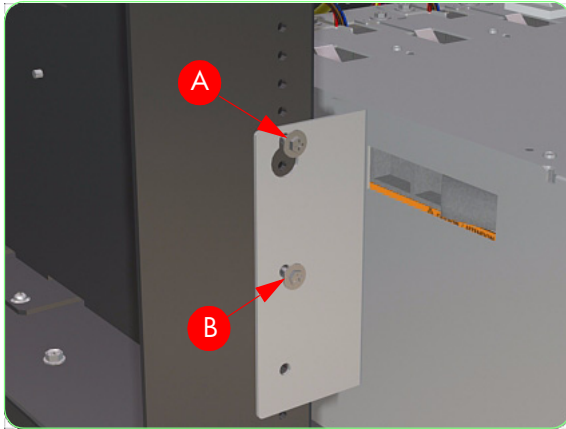
- 8.** Remove the Right Back Cover from the Printer.



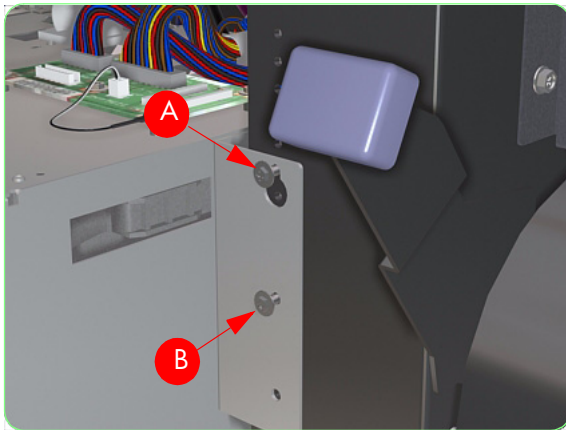
- 9.** Disconnect three cables from the ISS PCA.



- 10.** Remove the Ink Tubes from the Tube Clamp from the top of the ISS.



- 11.** Loosen one screw (A) and remove one screw (B) that secure the Right Side of the ISS to the printer.



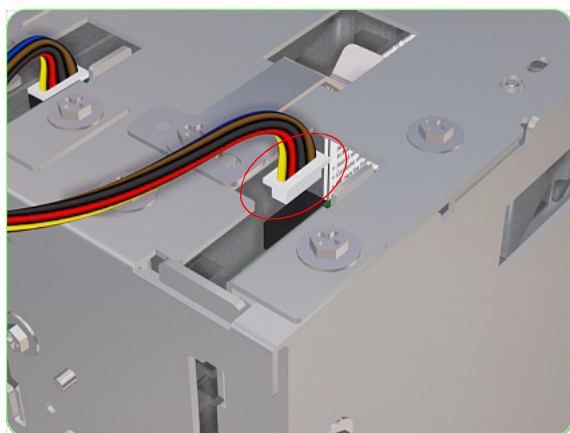
- 12.** Loosen one screw (A) and remove one screw (B) that secure the Left Side of the ISS to the printer.



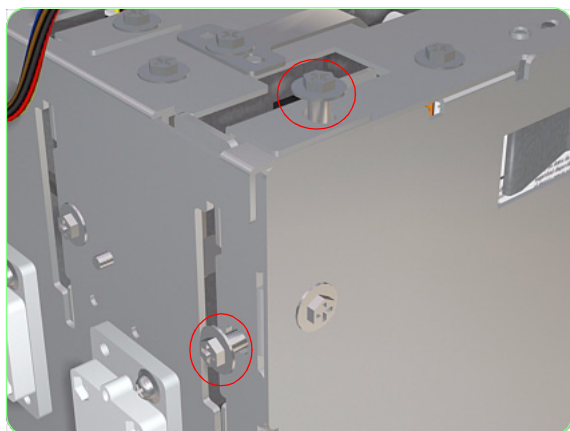
- 13.** Lift the ISS away from the printer.



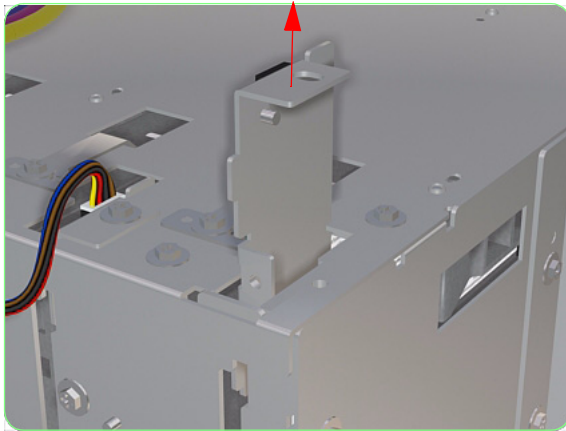
14. Remove the Ink Cartridge of the sensor you need to replace.



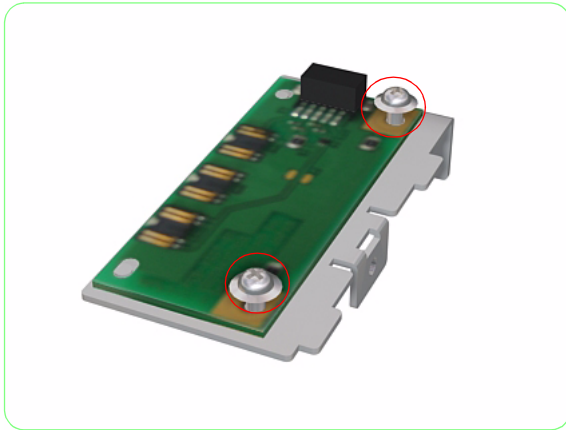
15. Disconnect the Ink Cartridge Sensor Cable.



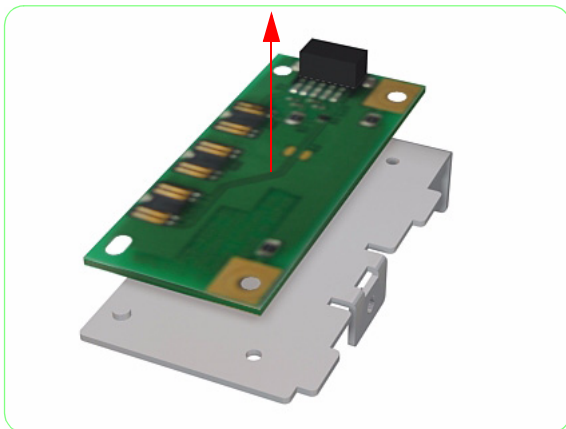
16. Remove two screws that secure the Ink Cartridge Sensor Bracket to the ISS.



17. Remove the Ink Cartridge Sensor Bracket.



18. Remove two screws that secure the Ink Cartridge Sensor from the bracket.



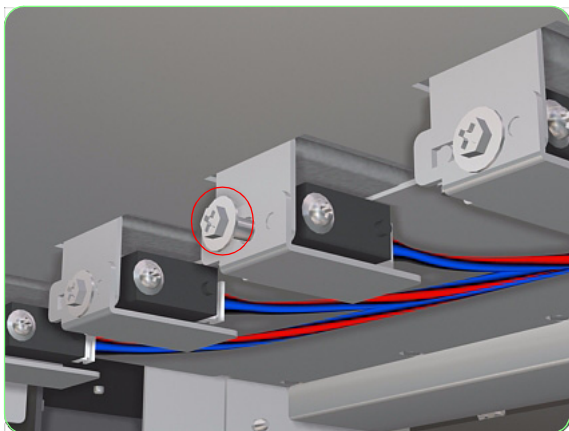
19. Remove the Ink Cartridge Sensor.

Ink Sensor

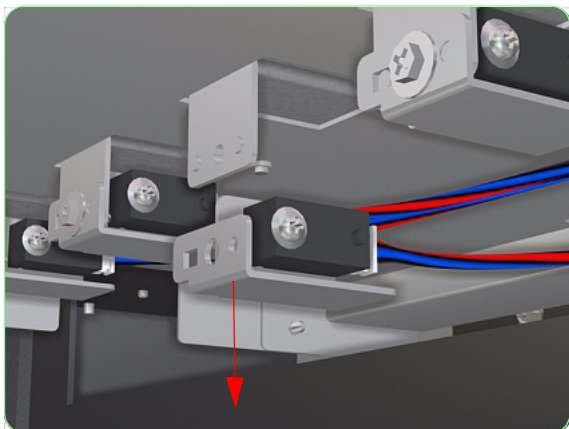
Removal

Switch off the product and remove the power cable.

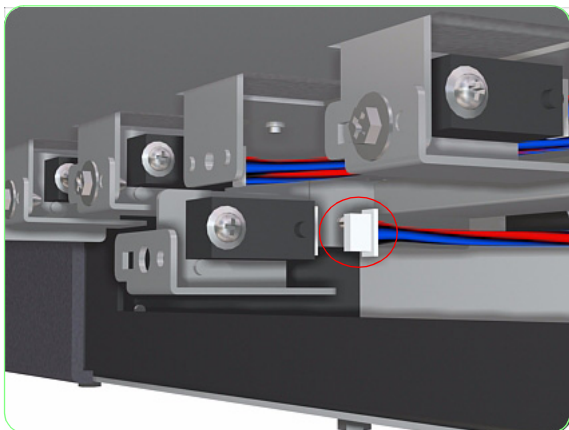
1. Remove the Ink Cartridge Bay Cover ⇒ Page 8-20.
2. Remove one screw that secures the Ink Sensor Bracket from the ISS.

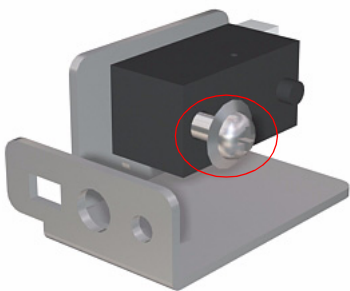


3. Remove the Ink Sensor Bracket from the ISS.

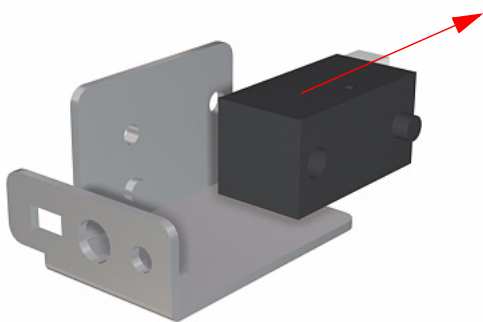


4. Disconnect the Ink Sensor Cable and remove the Ink Sensor from the Printer.





- 5.** Remove one screw that secures the Ink Sensor from the bracket.



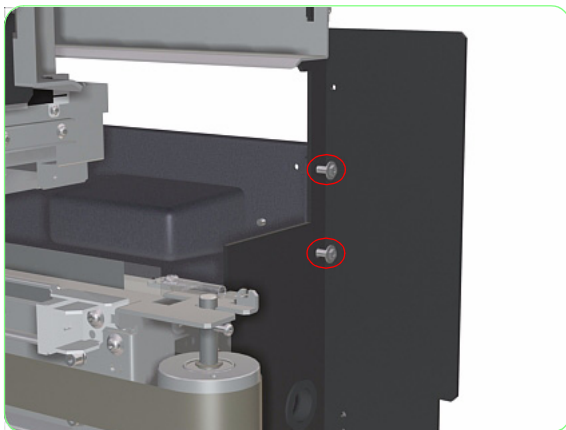
- 6.** Remove the Ink Sensor.

Ink Supply Station

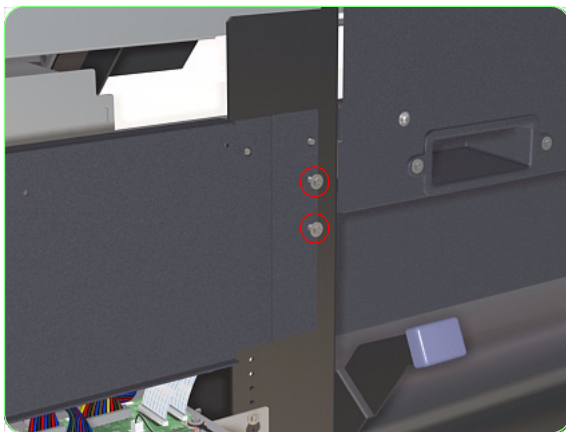
Removal

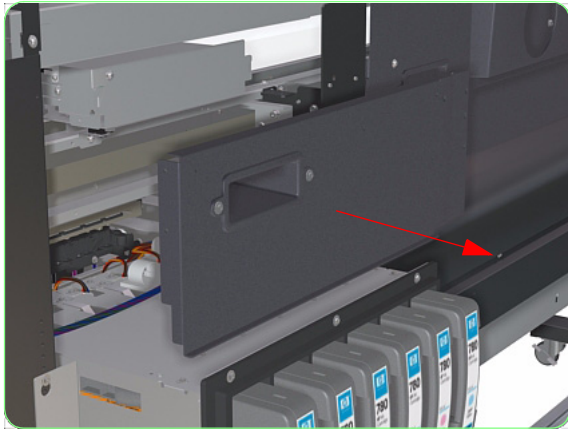
Switch off the product and remove the power cable.

1. Remove the Window ⇒ Page 8-3.
2. Remove the Right Door ⇒ Page 8-5.
3. Remove the Right Top Cover ⇒ Page 8-9.
4. Remove the Right Side Cover ⇒ Page 8-11.
5. Remove the Ink Cartridge Bay Cover ⇒ Page 8-20.
6. Remove two screws from the side that secure the Right Back Cover to the Printer.

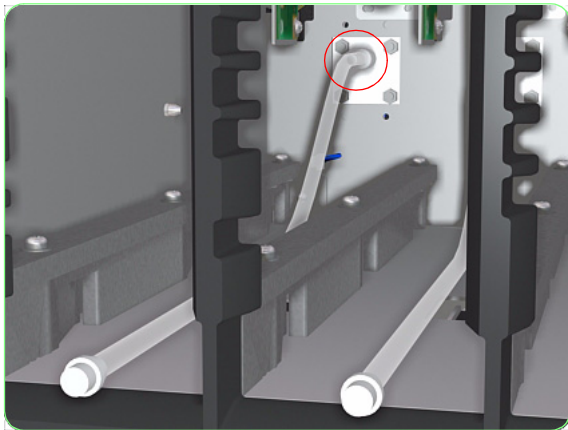


7. Remove two screws from the rear that secure the Right Back Cover to the Printer.

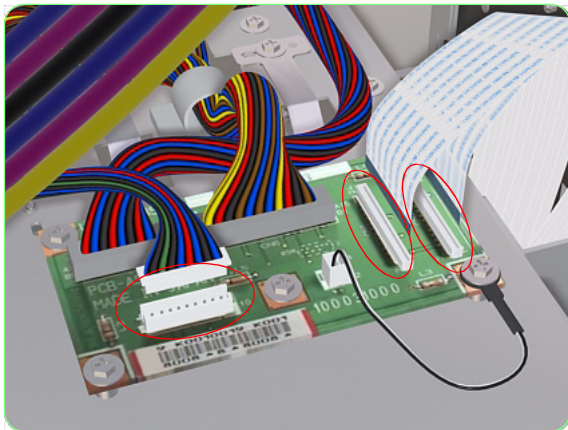




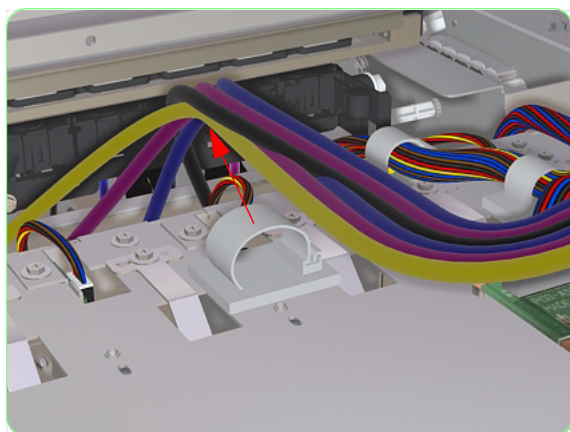
- 8.** Remove the Right Back Cover from the Printer.



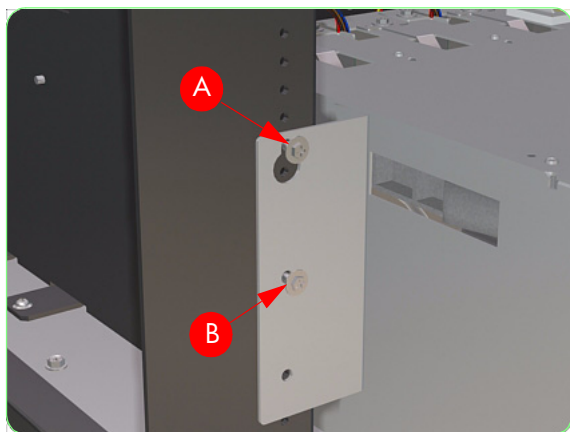
- 9.** Remove ALL the Ink Cartridges from the Printer.
- 10.** Connect the protection tubes to the Ink Cartridge Connectors.



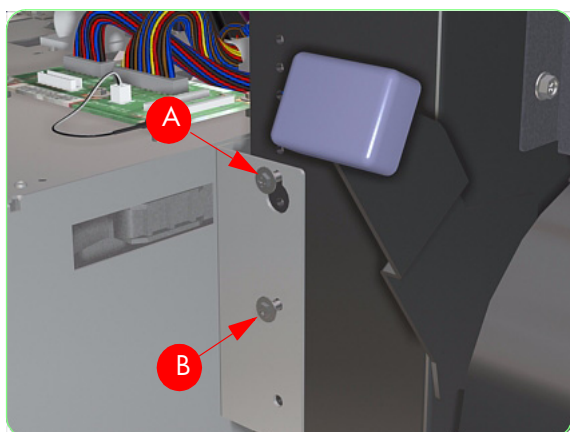
- 11.** Disconnect three cables from the ISS PCA.



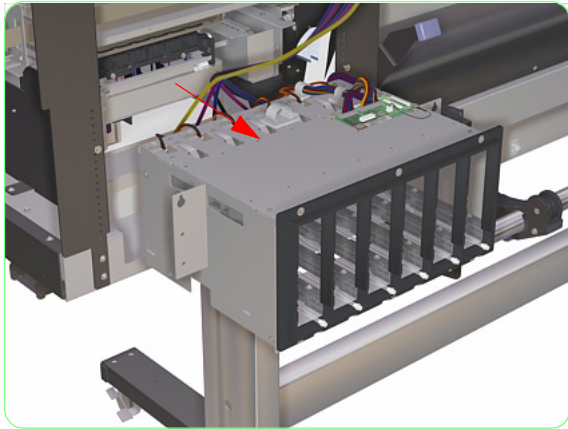
- 12.** Remove the Ink Tubes from the Tube Clamp from the top of the ISS.



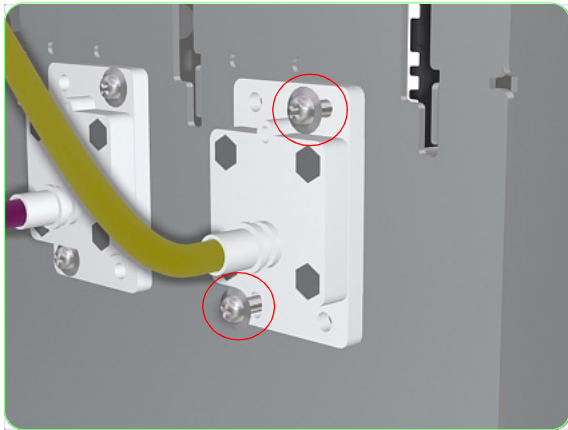
- 13.** Loosen one screw (A) and remove one screw (B) that secure the Right Side of the ISS to the printer.



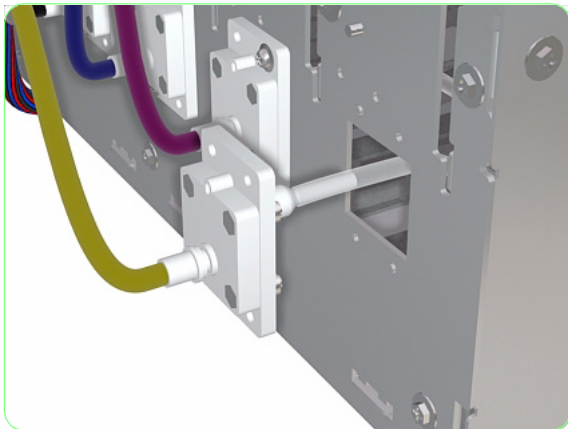
- 14.** Loosen one screw (A) and remove one screw (B) that secure the Left Side of the ISS to the printer.



15. Lift the ISS away from the printer.



16. Remove two screws from each of the Ink Filter Assemblies.



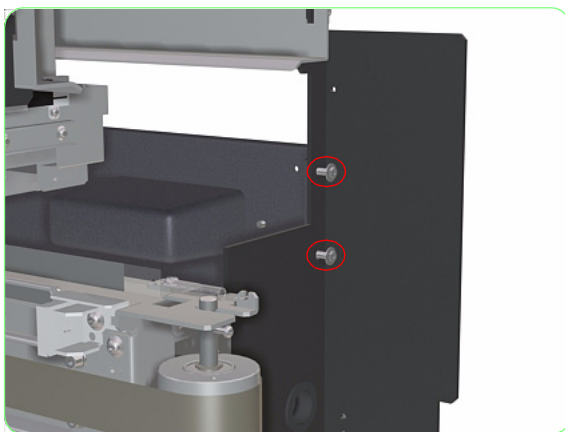
17. Remove ALL the Ink Filters from the rear of the ISS.

Ink Filter Assembly

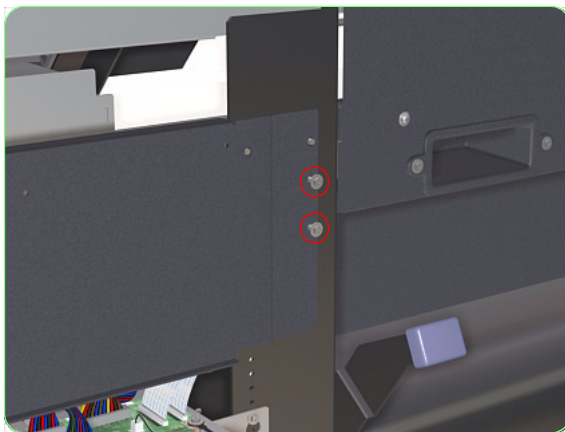
Removal

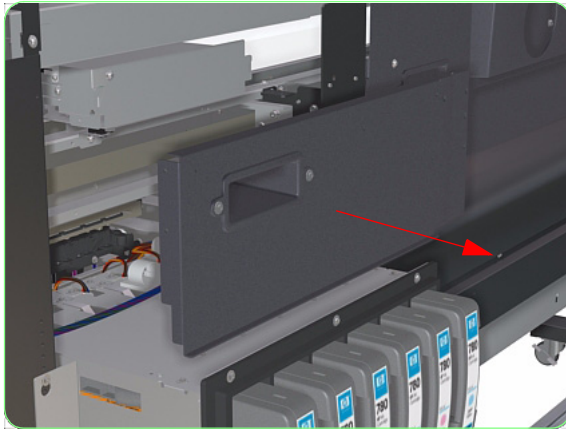
Switch off the product and remove the power cable.

1. Remove the Window ⇒ Page 8-3.
2. Remove the Right Door ⇒ Page 8-5.
3. Remove the Right Top Cover ⇒ Page 8-9.
4. Remove the Right Side Cover ⇒ Page 8-11.
5. Remove the Ink Cartridge Bay Cover ⇒ Page 8-20.
6. Remove two screws from the side that secure the Right Back Cover to the Printer.

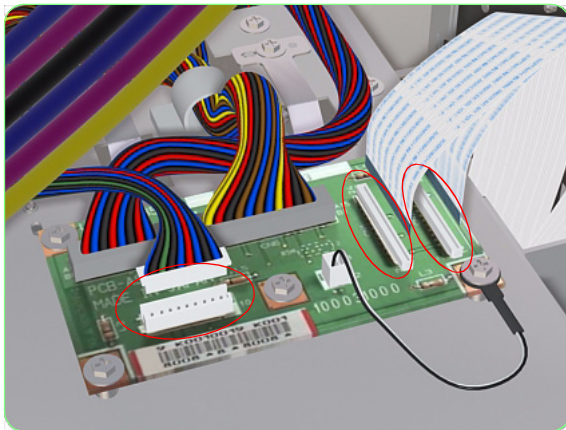


7. Remove two screws from the rear that secure the Right Back Cover to the Printer.

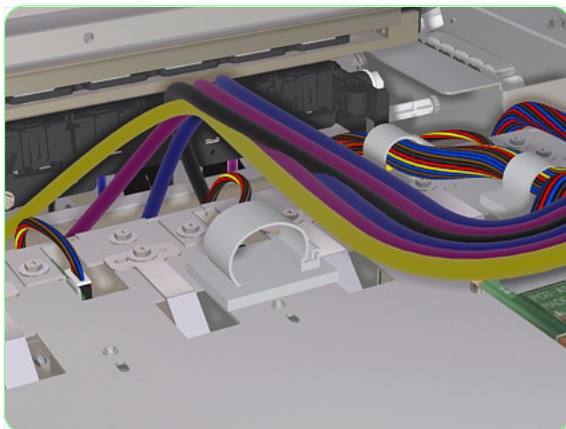




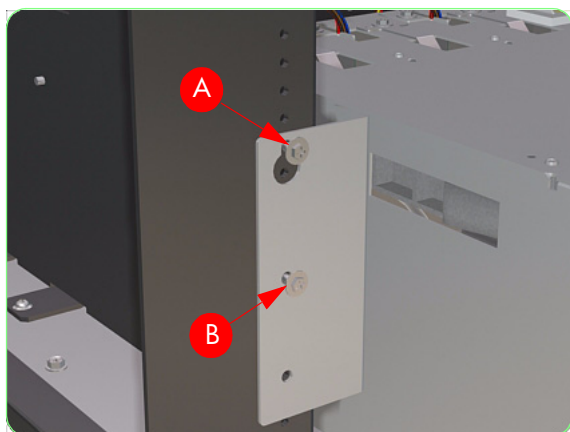
- 8.** Remove the Right Back Cover from the Printer.



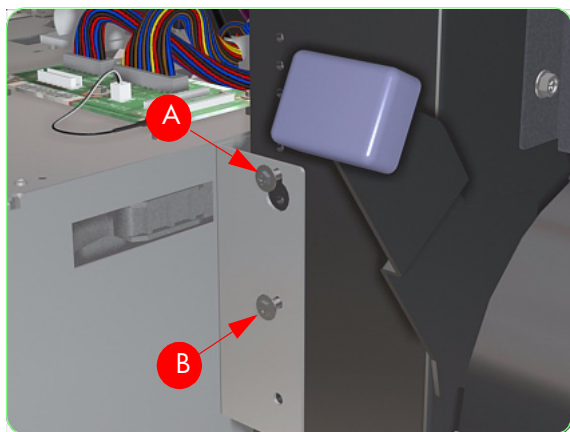
- 9.** Disconnect three cables from the ISS PCA.



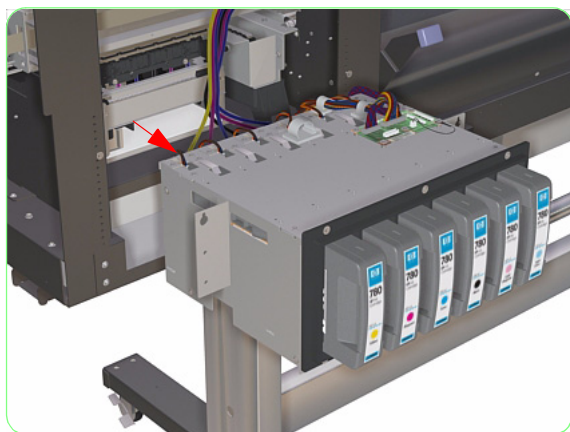
- 10.** Remove the Ink Tubes from the Tube Clamp from the top of the ISS.



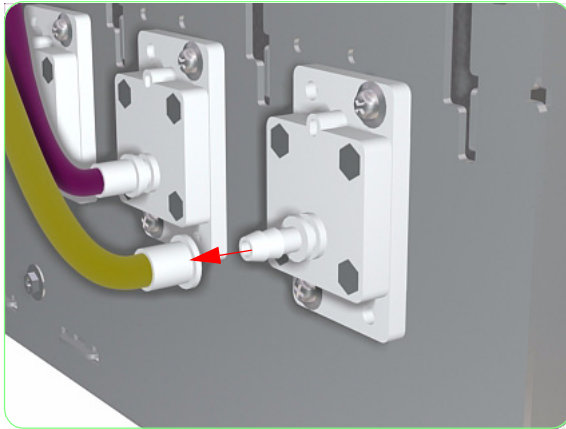
- 11.** Loosen one screw (A) and remove one screw (B) that secure the Right Side of the ISS to the printer.



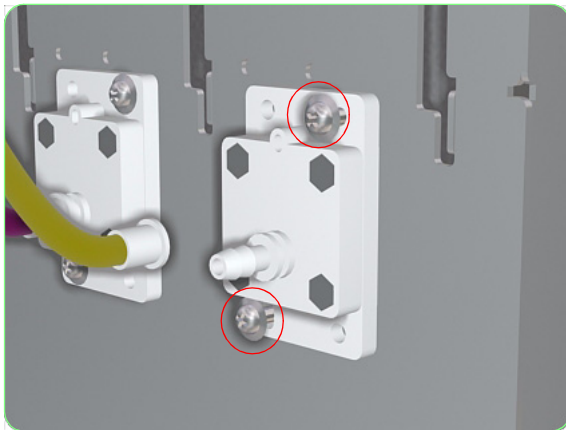
- 12.** Loosen one screw (A) and remove one screw (B) that secure the Left Side of the ISS to the printer.



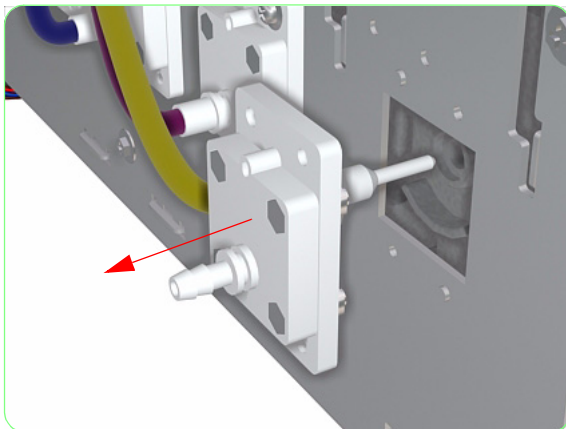
- 13.** Lift the ISS away from the printer.



- 14.** Pull the Ink Tube from the Ink Filter Assembly.



- 15.** Remove two screws from the Ink Filter Assembly.

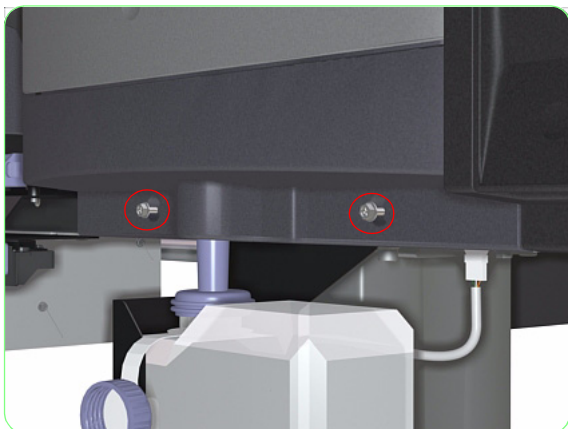


- 16.** Remove the Ink Filter Assembly from the ISS.

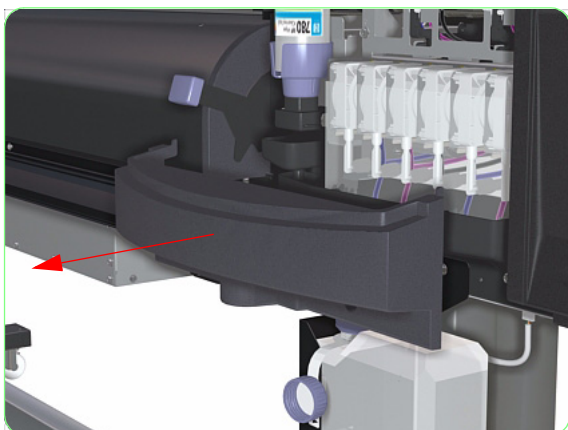
Waste Drainage Assembly

Removal

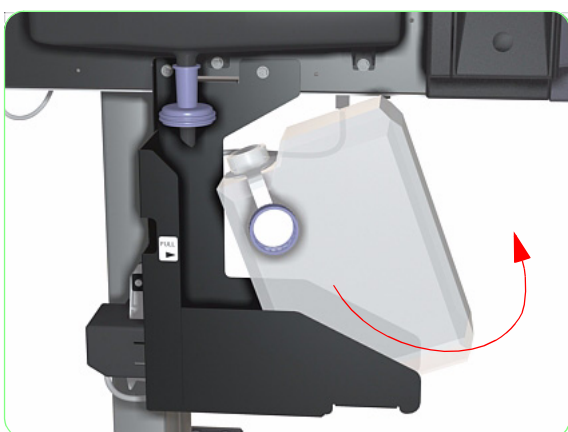
Switch off the product and remove the power cable.



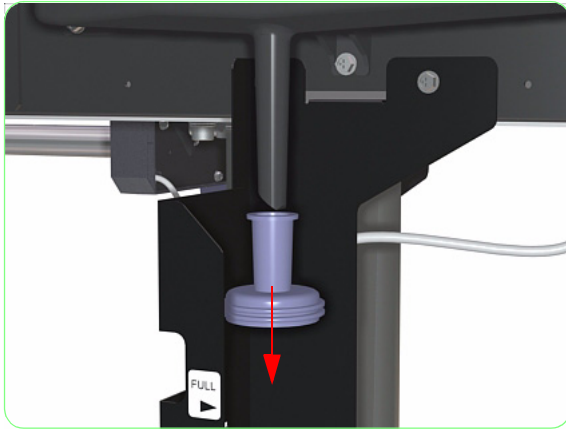
1. Remove two screws that secure the Right Trim to the printer.



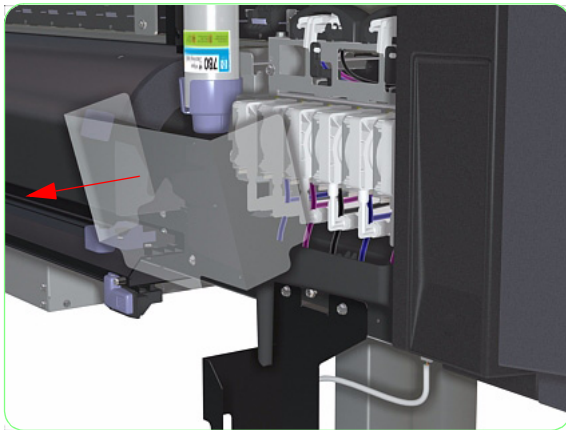
2. Remove the Right Trim.



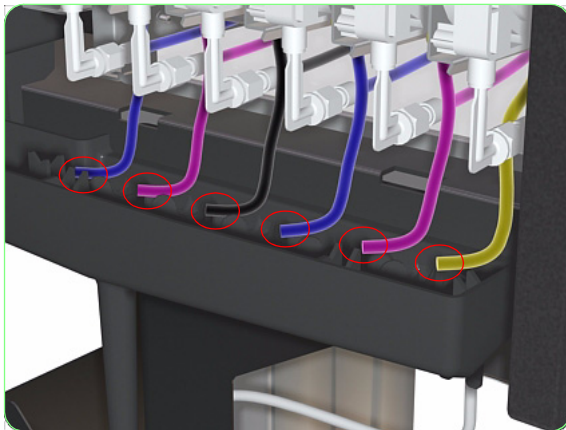
3. Remove the Waste Ink Bottle.



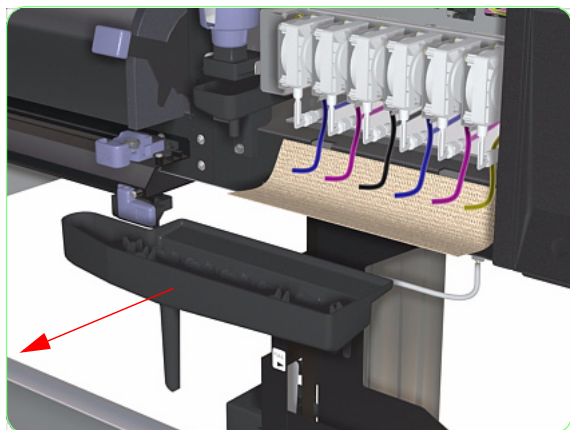
4. Remove the Waste Ink Odor Cover from the Drainage Tube.



5. Remove the Capping Station Protective Cover.



6. Disconnect the Waste Ink Tubes from the Waste Ink Drainage Assembly.



- 7.** Remove the Waste Ink Drainage Assembly and place some paper under the Waste Ink Tubes to catch any residual ink spillage.

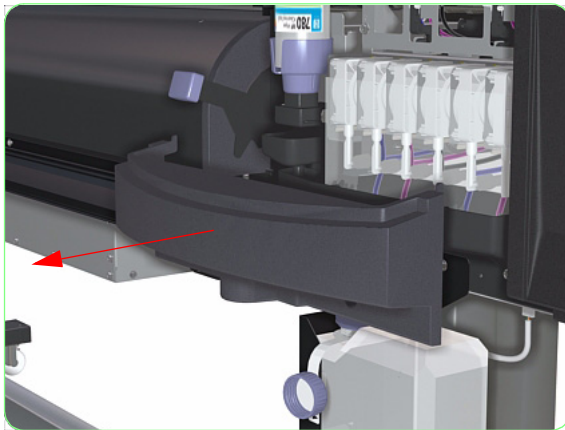
Waste Bottle Sensor and Holder

Removal

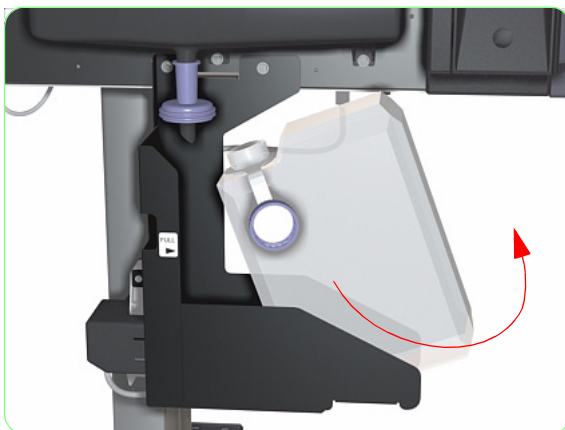
Switch off the product and remove the power cable.



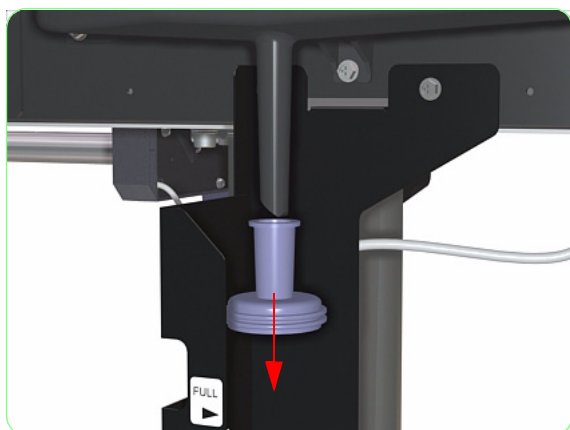
1. Remove two screws that secure the Right Trim to the printer.



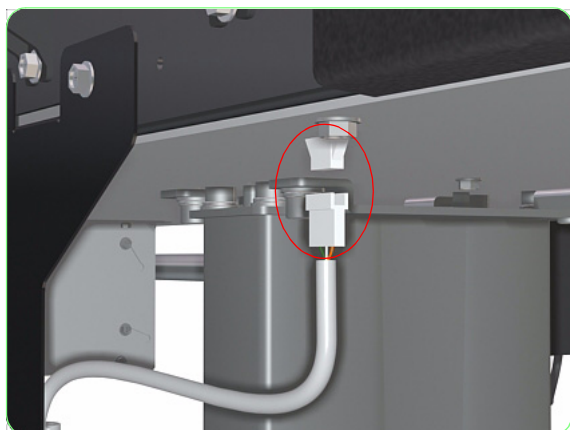
2. Remove the Right Trim.



3. Remove the Waste Ink Bottle.



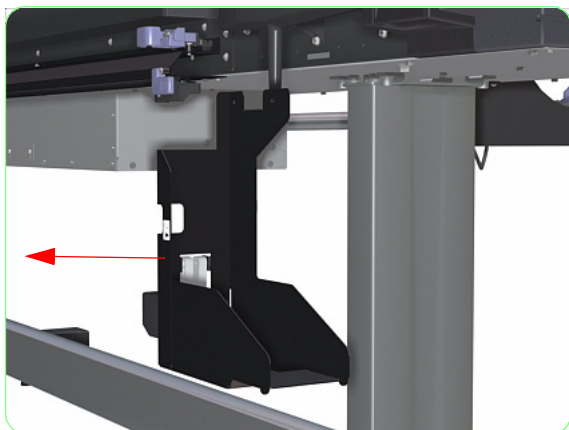
4. Remove the Waste Ink Odor Cover from the Drainage Tube.



5. Disconnect the Waste Switch Cable.



6. Remove two screws that secure the Waste Bottle Holder to the printer.



- 7.** Remove the Waste Bottle Holder from the Printer.